

# AQ 200 Modbus map

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# 1 AQ-21x frame Modbus map

## 1.1 FVSPE Modbus map

The following table lists modbus holding registers for AQ-210 frame units with firmware FVSPE\_v2.1.1.3-233. The firmware is used by the following device types:

- AQ-F201
- AQ-F205
- AQ-F210
- AQ-F215
- AQ-V211
- AQ-S214
- AQ-S215
- AQ-P215
- AQ-E215



### NOTICE!

Best way to always get the latest Modbus map is to load the aqs configuration file from the unit and in the AQtivate setting tool go to *Tools → Communication → Modbus map*.

Table. 1.1 - 1. AQ-21x frame Modbus map

| Holding Register | Parameter                | Access | Length |                                                    |
|------------------|--------------------------|--------|--------|----------------------------------------------------|
| HR1              | Modbus requests          | R/W=0  | 1      | Diagnostic request counter                         |
| HR2              | Modbus quality           | R      | 1      | Diagnostic quality                                 |
| HR3              | Modbus errors            | R/W=0  | 1      | Diagnostic error counter                           |
| HR4              | Modbus Ctrl OK           | R/W=0  | 1      | Diagnostic Control OK counter                      |
| HR5              | Modbus Ctrl Errors       | R/W=0  | 1      | Diagnostic Control Error counter                   |
| HR6              | Object1 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR7              | Object2 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR8              | Object3 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9              | Object4 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR10             | Object5 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR11             | Previous Event register  | R      | 6      | Event code                                         |
| HR12             | Previous Event register  | R      | 6      | Event timestamp (ms)                               |
| HR13             | Previous Event register  | R      | 6      | Event timestamp (sec Hi-16bits)                    |
| HR14             | Previous Event register  | R      | 6      | Event timestamp (sec Lo-16bits)                    |
| HR15             | Previous Event register  | R      | 6      | Event sequential index                             |

| Holding Register | Parameter                 | Access | Length |                                 |
|------------------|---------------------------|--------|--------|---------------------------------|
| HR16             | Previous Event register   | R      | 6      | RESERVED                        |
| HR17             | Event register            | R      | 6      | Event code                      |
| HR18             | Event register            | R      | 6      | Event timestamp (ms)            |
| HR19             | Event register            | R      | 6      | Event timestamp (sec Hi-16bits) |
| HR20             | Event register            | R      | 6      | Event timestamp (sec Lo-16bits) |
| HR21             | Event register            | R      | 6      | Event sequential index          |
| HR22             | Event register            | R      | 6      | RESERVED                        |
| HR23             | System time               | RW     | 3      | System time (ms)                |
| HR24             | System time               | RW     | 3      | System time (sec Hi-16bits)     |
| HR25             | System time               | RW     | 3      | System time (sec Lo-16bits)     |
| HR26             | MEAS1: Pri.Pha.curr.IL1   | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR27             |                           |        |        | HR26 (Lo-16bits)                |
| HR28             | MEAS1: Pri.Pha.curr.IL2   | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR29             |                           |        |        | HR28 (Lo-16bits)                |
| HR30             | MEAS1: Pri.Pha.curr.IL3   | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR31             |                           |        |        | HR30 (Lo-16bits)                |
| HR32             | MEAS1: Pha.angle IL1      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR33             |                           |        |        | HR32 (Lo-16bits)                |
| HR34             | MEAS1: Pha.angle IL2      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR35             |                           |        |        | HR34 (Lo-16bits)                |
| HR36             | MEAS1: Pha.angle IL3      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR37             |                           |        |        | HR36 (Lo-16bits)                |
| HR38             | MEAS1: Pri.Res.curr.I01   | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR39             |                           |        |        | HR38 (Lo-16bits)                |
| HR40             | MEAS1: Res.curr.angle I01 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR41             |                           |        |        | HR40 (Lo-16bits)                |
| HR42             | MEAS1: Pri.Res.curr.I02   | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR43             |                           |        |        | HR42 (Lo-16bits)                |
| HR44             | MEAS1: Res.curr.angle I02 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR45             |                           |        |        | HR44 (Lo-16bits)                |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR46             | MEAS1: Pri.calc.I0           | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR47             |                              |        |        | HR46 (Lo-16bits)               |
| HR48             | MEAS1: calc.I0 Pha.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR49             |                              |        |        | HR48 (Lo-16bits)               |
| HR50             | MEAS1: Pha.curr.IL1 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR51             |                              |        |        | HR50 (Lo-16bits)               |
| HR52             | MEAS1: Pha.curr.IL2 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR53             |                              |        |        | HR52 (Lo-16bits)               |
| HR54             | MEAS1: Pha.curr.IL3 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR55             |                              |        |        | HR54 (Lo-16bits)               |
| HR56             | MEAS1: Pri.Pos.seq.curr.     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR57             |                              |        |        | HR56 (Lo-16bits)               |
| HR58             | MEAS1: Pri.Neg.seq.curr.     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR59             |                              |        |        | HR58 (Lo-16bits)               |
| HR60             | MEAS1: Pri.Zero seq.curr.    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR61             |                              |        |        | HR60 (Lo-16bits)               |
| HR62             | MEAS1: Pos.seq.curr.angle    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR63             |                              |        |        | HR62 (Lo-16bits)               |
| HR64             | MEAS1: Neg.seq.curr.angle    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR65             |                              |        |        | HR64 (Lo-16bits)               |
| HR66             | MEAS1: Zero seq.curr.angle   | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR67             |                              |        |        | HR66 (Lo-16bits)               |
| HR68             | MEAS1: Res.curr.I01 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR69             |                              |        |        | HR68 (Lo-16bits)               |
| HR70             | MEAS1: Res.curr.I02 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR71             |                              |        |        | HR70 (Lo-16bits)               |
| HR72             | MEAS1: Pha.L1 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR73             |                              |        |        | HR72 (Lo-16bits)               |

| Holding Register | Parameter               | Access | Length |                                |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR74             | MEAS1:Pha.L1 pow. THD   | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR75             |                         |        |        | HR74 (Lo-16bits)               |
| HR76             | MEAS1:Pha.L2 ampl. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR77             |                         |        |        | HR76 (Lo-16bits)               |
| HR78             | MEAS1:Pha.L2 pow. THD   | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR79             |                         |        |        | HR78 (Lo-16bits)               |
| HR80             | MEAS1:Pha.L3 ampl. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR81             |                         |        |        | HR80 (Lo-16bits)               |
| HR82             | MEAS1:Pha.L3 pow. THD   | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR83             |                         |        |        | HR82 (Lo-16bits)               |
| HR84             | MEAS1:Res.I01 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR85             |                         |        |        | HR84 (Lo-16bits)               |
| HR86             | MEAS1:Res.I01 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR87             |                         |        |        | HR86 (Lo-16bits)               |
| HR88             | MEAS1:Res.I02 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR89             |                         |        |        | HR88 (Lo-16bits)               |
| HR90             | MEAS1:Res.I02 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR91             |                         |        |        | HR90 (Lo-16bits)               |
| HR92             | MEAS1:P-P curr.IL1      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR93             |                         |        |        | HR92 (Lo-16bits)               |
| HR94             | MEAS1:P-P curr.IL2      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR95             |                         |        |        | HR94 (Lo-16bits)               |
| HR96             | MEAS1:P-P curr.IL3      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR97             |                         |        |        | HR96 (Lo-16bits)               |
| HR98             | MEAS1:P-P curr.I01      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR99             |                         |        |        | HR98 (Lo-16bits)               |
| HR100            | MEAS1:P-P curr.I02      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR101            |                         |        |        | HR100 (Lo-16bits)              |
| HR102            | MEAS1:IL1 Fund          | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR103            |                         |        |        | HR102 (Lo-16bits)              |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR104            | MEAS1:IL1 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR105            |                   |        |        | HR104 (Lo-16bits)              |
| HR106            | MEAS1:IL1 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR107            |                   |        |        | HR106 (Lo-16bits)              |
| HR108            | MEAS1:IL1 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR109            |                   |        |        | HR108 (Lo-16bits)              |
| HR110            | MEAS1:IL1 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR111            |                   |        |        | HR110 (Lo-16bits)              |
| HR112            | MEAS1:IL1 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR113            |                   |        |        | HR112 (Lo-16bits)              |
| HR114            | MEAS1:IL1 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR115            |                   |        |        | HR114 (Lo-16bits)              |
| HR116            | MEAS1:IL1 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR117            |                   |        |        | HR116 (Lo-16bits)              |
| HR118            | MEAS1:IL1 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR119            |                   |        |        | HR118 (Lo-16bits)              |
| HR120            | MEAS1:IL1 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR121            |                   |        |        | HR120 (Lo-16bits)              |
| HR122            | MEAS1:IL1 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR123            |                   |        |        | HR122 (Lo-16bits)              |
| HR124            | MEAS1:IL1 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR125            |                   |        |        | HR124 (Lo-16bits)              |
| HR126            | MEAS1:IL1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR127            |                   |        |        | HR126 (Lo-16bits)              |
| HR128            | MEAS1:IL1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR129            |                   |        |        | HR128 (Lo-16bits)              |
| HR130            | MEAS1:IL1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR131            |                   |        |        | HR130 (Lo-16bits)              |
| HR132            | MEAS1:IL1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR133            |                   |        |        | HR132 (Lo-16bits)              |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR134            | MEAS1:IL1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR135            |                   |        |        | HR134 (Lo-16bits)              |
| HR136            | MEAS1:IL1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR137            |                   |        |        | HR136 (Lo-16bits)              |
| HR138            | MEAS1:IL1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR139            |                   |        |        | HR138 (Lo-16bits)              |
| HR140            | MEAS1:IL1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR141            |                   |        |        | HR140 (Lo-16bits)              |
| HR142            | MEAS1:IL1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR143            |                   |        |        | HR142 (Lo-16bits)              |
| HR144            | MEAS1:IL1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR145            |                   |        |        | HR144 (Lo-16bits)              |
| HR146            | MEAS1:IL1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR147            |                   |        |        | HR146 (Lo-16bits)              |
| HR148            | MEAS1:IL1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR149            |                   |        |        | HR148 (Lo-16bits)              |
| HR150            | MEAS1:IL1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR151            |                   |        |        | HR150 (Lo-16bits)              |
| HR152            | MEAS1:IL1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR153            |                   |        |        | HR152 (Lo-16bits)              |
| HR154            | MEAS1:IL1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR155            |                   |        |        | HR154 (Lo-16bits)              |
| HR156            | MEAS1:IL1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR157            |                   |        |        | HR156 (Lo-16bits)              |
| HR158            | MEAS1:IL1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR159            |                   |        |        | HR158 (Lo-16bits)              |
| HR160            | MEAS1:IL1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR161            |                   |        |        | HR160 (Lo-16bits)              |
| HR162            | MEAS1:IL1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR163            |                   |        |        | HR162 (Lo-16bits)              |



| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR164            | MEAS1:IL2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR165            |                   |        |        | HR164 (Lo-16bits)              |
| HR166            | MEAS1:IL2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR167            |                   |        |        | HR166 (Lo-16bits)              |
| HR168            | MEAS1:IL2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR169            |                   |        |        | HR168 (Lo-16bits)              |
| HR170            | MEAS1:IL2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR171            |                   |        |        | HR170 (Lo-16bits)              |
| HR172            | MEAS1:IL2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR173            |                   |        |        | HR172 (Lo-16bits)              |
| HR174            | MEAS1:IL2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR175            |                   |        |        | HR174 (Lo-16bits)              |
| HR176            | MEAS1:IL2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR177            |                   |        |        | HR176 (Lo-16bits)              |
| HR178            | MEAS1:IL2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR179            |                   |        |        | HR178 (Lo-16bits)              |
| HR180            | MEAS1:IL2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR181            |                   |        |        | HR180 (Lo-16bits)              |
| HR182            | MEAS1:IL2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR183            |                   |        |        | HR182 (Lo-16bits)              |
| HR184            | MEAS1:IL2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR185            |                   |        |        | HR184 (Lo-16bits)              |
| HR186            | MEAS1:IL2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR187            |                   |        |        | HR186 (Lo-16bits)              |
| HR188            | MEAS1:IL2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR189            |                   |        |        | HR188 (Lo-16bits)              |
| HR190            | MEAS1:IL2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR191            |                   |        |        | HR190 (Lo-16bits)              |
| HR192            | MEAS1:IL2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR193            |                   |        |        | HR192 (Lo-16bits)              |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR194            | MEAS1:IL2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR195            |                   |        |        | HR194 (Lo-16bits)              |
| HR196            | MEAS1:IL2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR197            |                   |        |        | HR196 (Lo-16bits)              |
| HR198            | MEAS1:IL2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR199            |                   |        |        | HR198 (Lo-16bits)              |
| HR200            | MEAS1:IL2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR201            |                   |        |        | HR200 (Lo-16bits)              |
| HR202            | MEAS1:IL2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR203            |                   |        |        | HR202 (Lo-16bits)              |
| HR204            | MEAS1:IL2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR205            |                   |        |        | HR204 (Lo-16bits)              |
| HR206            | MEAS1:IL2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR207            |                   |        |        | HR206 (Lo-16bits)              |
| HR208            | MEAS1:IL2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR209            |                   |        |        | HR208 (Lo-16bits)              |
| HR210            | MEAS1:IL2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR211            |                   |        |        | HR210 (Lo-16bits)              |
| HR212            | MEAS1:IL2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR213            |                   |        |        | HR212 (Lo-16bits)              |
| HR214            | MEAS1:IL2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR215            |                   |        |        | HR214 (Lo-16bits)              |
| HR216            | MEAS1:IL2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR217            |                   |        |        | HR216 (Lo-16bits)              |
| HR218            | MEAS1:IL2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR219            |                   |        |        | HR218 (Lo-16bits)              |
| HR220            | MEAS1:IL2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR221            |                   |        |        | HR220 (Lo-16bits)              |
| HR222            | MEAS1:IL2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR223            |                   |        |        | HR222 (Lo-16bits)              |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR224            | MEAS1:IL2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR225            |                   |        |        | HR224 (Lo-16bits)              |
| HR226            | MEAS1:IL3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR227            |                   |        |        | HR226 (Lo-16bits)              |
| HR228            | MEAS1:IL3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR229            |                   |        |        | HR228 (Lo-16bits)              |
| HR230            | MEAS1:IL3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR231            |                   |        |        | HR230 (Lo-16bits)              |
| HR232            | MEAS1:IL3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR233            |                   |        |        | HR232 (Lo-16bits)              |
| HR234            | MEAS1:IL3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR235            |                   |        |        | HR234 (Lo-16bits)              |
| HR236            | MEAS1:IL3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR237            |                   |        |        | HR236 (Lo-16bits)              |
| HR238            | MEAS1:IL3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR239            |                   |        |        | HR238 (Lo-16bits)              |
| HR240            | MEAS1:IL3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR241            |                   |        |        | HR240 (Lo-16bits)              |
| HR242            | MEAS1:IL3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR243            |                   |        |        | HR242 (Lo-16bits)              |
| HR244            | MEAS1:IL3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR245            |                   |        |        | HR244 (Lo-16bits)              |
| HR246            | MEAS1:IL3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR247            |                   |        |        | HR246 (Lo-16bits)              |
| HR248            | MEAS1:IL3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR249            |                   |        |        | HR248 (Lo-16bits)              |
| HR250            | MEAS1:IL3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR251            |                   |        |        | HR250 (Lo-16bits)              |
| HR252            | MEAS1:IL3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR253            |                   |        |        | HR252 (Lo-16bits)              |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR254            | MEAS1:IL3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR255            |                   |        |        | HR254 (Lo-16bits)              |
| HR256            | MEAS1:IL3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR257            |                   |        |        | HR256 (Lo-16bits)              |
| HR258            | MEAS1:IL3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR259            |                   |        |        | HR258 (Lo-16bits)              |
| HR260            | MEAS1:IL3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR261            |                   |        |        | HR260 (Lo-16bits)              |
| HR262            | MEAS1:IL3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR263            |                   |        |        | HR262 (Lo-16bits)              |
| HR264            | MEAS1:IL3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR265            |                   |        |        | HR264 (Lo-16bits)              |
| HR266            | MEAS1:IL3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR267            |                   |        |        | HR266 (Lo-16bits)              |
| HR268            | MEAS1:IL3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR269            |                   |        |        | HR268 (Lo-16bits)              |
| HR270            | MEAS1:IL3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR271            |                   |        |        | HR270 (Lo-16bits)              |
| HR272            | MEAS1:IL3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR273            |                   |        |        | HR272 (Lo-16bits)              |
| HR274            | MEAS1:IL3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR275            |                   |        |        | HR274 (Lo-16bits)              |
| HR276            | MEAS1:IL3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR277            |                   |        |        | HR276 (Lo-16bits)              |
| HR278            | MEAS1:IL3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR279            |                   |        |        | HR278 (Lo-16bits)              |
| HR280            | MEAS1:IL3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR281            |                   |        |        | HR280 (Lo-16bits)              |
| HR282            | MEAS1:IL3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR283            |                   |        |        | HR282 (Lo-16bits)              |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR284            | MEAS1:IL3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR285            |                   |        |        | HR284 (Lo-16bits)              |
| HR286            | MEAS1:IL3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR287            |                   |        |        | HR286 (Lo-16bits)              |
| HR288            | MEAS1:I01 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR289            |                   |        |        | HR288 (Lo-16bits)              |
| HR290            | MEAS1:I01 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR291            |                   |        |        | HR290 (Lo-16bits)              |
| HR292            | MEAS1:I01 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR293            |                   |        |        | HR292 (Lo-16bits)              |
| HR294            | MEAS1:I01 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR295            |                   |        |        | HR294 (Lo-16bits)              |
| HR296            | MEAS1:I01 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR297            |                   |        |        | HR296 (Lo-16bits)              |
| HR298            | MEAS1:I01 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR299            |                   |        |        | HR298 (Lo-16bits)              |
| HR300            | MEAS1:I01 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR301            |                   |        |        | HR300 (Lo-16bits)              |
| HR302            | MEAS1:I01 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR303            |                   |        |        | HR302 (Lo-16bits)              |
| HR304            | MEAS1:I01 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR305            |                   |        |        | HR304 (Lo-16bits)              |
| HR306            | MEAS1:I01 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR307            |                   |        |        | HR306 (Lo-16bits)              |
| HR308            | MEAS1:I01 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR309            |                   |        |        | HR308 (Lo-16bits)              |
| HR310            | MEAS1:I01 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR311            |                   |        |        | HR310 (Lo-16bits)              |
| HR312            | MEAS1:I01 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR313            |                   |        |        | HR312 (Lo-16bits)              |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR314            | MEAS1:I01 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR315            |                   |        |        | HR314 (Lo-16bits)              |
| HR316            | MEAS1:I01 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR317            |                   |        |        | HR316 (Lo-16bits)              |
| HR318            | MEAS1:I01 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR319            |                   |        |        | HR318 (Lo-16bits)              |
| HR320            | MEAS1:I01 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR321            |                   |        |        | HR320 (Lo-16bits)              |
| HR322            | MEAS1:I01 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR323            |                   |        |        | HR322 (Lo-16bits)              |
| HR324            | MEAS1:I01 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR325            |                   |        |        | HR324 (Lo-16bits)              |
| HR326            | MEAS1:I01 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR327            |                   |        |        | HR326 (Lo-16bits)              |
| HR328            | MEAS1:I01 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR329            |                   |        |        | HR328 (Lo-16bits)              |
| HR330            | MEAS1:I01 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR331            |                   |        |        | HR330 (Lo-16bits)              |
| HR332            | MEAS1:I01 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR333            |                   |        |        | HR332 (Lo-16bits)              |
| HR334            | MEAS1:I01 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR335            |                   |        |        | HR334 (Lo-16bits)              |
| HR336            | MEAS1:I01 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR337            |                   |        |        | HR336 (Lo-16bits)              |
| HR338            | MEAS1:I01 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR339            |                   |        |        | HR338 (Lo-16bits)              |
| HR340            | MEAS1:I01 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR341            |                   |        |        | HR340 (Lo-16bits)              |
| HR342            | MEAS1:I01 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR343            |                   |        |        | HR342 (Lo-16bits)              |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR344            | MEAS1:I01 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR345            |                   |        |        | HR344 (Lo-16bits)              |
| HR346            | MEAS1:I01 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR347            |                   |        |        | HR346 (Lo-16bits)              |
| HR348            | MEAS1:I01 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR349            |                   |        |        | HR348 (Lo-16bits)              |
| HR350            | MEAS1:I02 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR351            |                   |        |        | HR350 (Lo-16bits)              |
| HR352            | MEAS1:I02 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR353            |                   |        |        | HR352 (Lo-16bits)              |
| HR354            | MEAS1:I02 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR355            |                   |        |        | HR354 (Lo-16bits)              |
| HR356            | MEAS1:I02 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR357            |                   |        |        | HR356 (Lo-16bits)              |
| HR358            | MEAS1:I02 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR359            |                   |        |        | HR358 (Lo-16bits)              |
| HR360            | MEAS1:I02 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR361            |                   |        |        | HR360 (Lo-16bits)              |
| HR362            | MEAS1:I02 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR363            |                   |        |        | HR362 (Lo-16bits)              |
| HR364            | MEAS1:I02 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR365            |                   |        |        | HR364 (Lo-16bits)              |
| HR366            | MEAS1:I02 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR367            |                   |        |        | HR366 (Lo-16bits)              |
| HR368            | MEAS1:I02 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR369            |                   |        |        | HR368 (Lo-16bits)              |
| HR370            | MEAS1:I02 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR371            |                   |        |        | HR370 (Lo-16bits)              |
| HR372            | MEAS1:I02 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR373            |                   |        |        | HR372 (Lo-16bits)              |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR374            | MEAS1:I02 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR375            |                   |        |        | HR374 (Lo-16bits)              |
| HR376            | MEAS1:I02 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR377            |                   |        |        | HR376 (Lo-16bits)              |
| HR378            | MEAS1:I02 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR379            |                   |        |        | HR378 (Lo-16bits)              |
| HR380            | MEAS1:I02 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR381            |                   |        |        | HR380 (Lo-16bits)              |
| HR382            | MEAS1:I02 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR383            |                   |        |        | HR382 (Lo-16bits)              |
| HR384            | MEAS1:I02 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR385            |                   |        |        | HR384 (Lo-16bits)              |
| HR386            | MEAS1:I02 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR387            |                   |        |        | HR386 (Lo-16bits)              |
| HR388            | MEAS1:I02 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR389            |                   |        |        | HR388 (Lo-16bits)              |
| HR390            | MEAS1:I02 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR391            |                   |        |        | HR390 (Lo-16bits)              |
| HR392            | MEAS1:I02 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR393            |                   |        |        | HR392 (Lo-16bits)              |
| HR394            | MEAS1:I02 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR395            |                   |        |        | HR394 (Lo-16bits)              |
| HR396            | MEAS1:I02 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR397            |                   |        |        | HR396 (Lo-16bits)              |
| HR398            | MEAS1:I02 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR399            |                   |        |        | HR398 (Lo-16bits)              |
| HR400            | MEAS1:I02 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR401            |                   |        |        | HR400 (Lo-16bits)              |
| HR402            | MEAS1:I02 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR403            |                   |        |        | HR402 (Lo-16bits)              |



| Holding Register | Parameter                 | Access | Length |                                |
|------------------|---------------------------|--------|--------|--------------------------------|
| HR404            | MEAS1:I02 28.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR405            |                           |        |        | HR404 (Lo-16bits)              |
| HR406            | MEAS1:I02 29.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR407            |                           |        |        | HR406 (Lo-16bits)              |
| HR408            | MEAS1:I02 30.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR409            |                           |        |        | HR408 (Lo-16bits)              |
| HR410            | MEAS1:I02 31.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR411            |                           |        |        | HR410 (Lo-16bits)              |
| HR412            | MEAS2:Pri.Pha.curr.I"L1   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR413            |                           |        |        | HR412 (Lo-16bits)              |
| HR414            | MEAS2:Pri.Pha.curr.I"L2   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR415            |                           |        |        | HR414 (Lo-16bits)              |
| HR416            | MEAS2:Pri.Pha.curr.I"L3   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR417            |                           |        |        | HR416 (Lo-16bits)              |
| HR418            | MEAS2:Pha.angle I"L1      | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR419            |                           |        |        | HR418 (Lo-16bits)              |
| HR420            | MEAS2:Pha.angle I"L2      | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR421            |                           |        |        | HR420 (Lo-16bits)              |
| HR422            | MEAS2:Pha.angle I"L3      | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR423            |                           |        |        | HR422 (Lo-16bits)              |
| HR424            | MEAS2:Pri.Res.curr.I"01   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR425            |                           |        |        | HR424 (Lo-16bits)              |
| HR426            | MEAS2:Res.curr.angle I"01 | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR427            |                           |        |        | HR426 (Lo-16bits)              |
| HR428            | MEAS2:Pri.Res.curr.I"02   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR429            |                           |        |        | HR428 (Lo-16bits)              |
| HR430            | MEAS2:Res.curr.angle I"02 | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR431            |                           |        |        | HR430 (Lo-16bits)              |
| HR432            | MEAS2:Pri.calc.I"0        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR433            |                           |        |        | HR432 (Lo-16bits)              |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR434            | MEAS2:calc.I"0 Pha.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR435            |                              |        |        | HR434 (Lo-16bits)              |
| HR436            | MEAS2:Pha.curr.I"L1 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR437            |                              |        |        | HR436 (Lo-16bits)              |
| HR438            | MEAS2:Pha.curr.I"L2 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR439            |                              |        |        | HR438 (Lo-16bits)              |
| HR440            | MEAS2:Pha.curr.I"L3 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR441            |                              |        |        | HR440 (Lo-16bits)              |
| HR442            | MEAS2:I" Pri.Pos.seq.curr.   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR443            |                              |        |        | HR442 (Lo-16bits)              |
| HR444            | MEAS2:I" Pri.Neg.seq.curr.   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR445            |                              |        |        | HR444 (Lo-16bits)              |
| HR446            | MEAS2:I" Pri.Zero seq.curr.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR447            |                              |        |        | HR446 (Lo-16bits)              |
| HR448            | MEAS2:I" Pos.seq.curr.angle  | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR449            |                              |        |        | HR448 (Lo-16bits)              |
| HR450            | MEAS2:I" Neg.seq.curr.angle  | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR451            |                              |        |        | HR450 (Lo-16bits)              |
| HR452            | MEAS2:I" Zero seq.curr.angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR453            |                              |        |        | HR452 (Lo-16bits)              |
| HR454            | MEAS2:Res.curr.I"01 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR455            |                              |        |        | HR454 (Lo-16bits)              |
| HR456            | MEAS2:Res.curr.I"02 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR457            |                              |        |        | HR456 (Lo-16bits)              |
| HR458            | MEAS2:Pha.I"L1 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR459            |                              |        |        | HR458 (Lo-16bits)              |

| Holding Register | Parameter                | Access | Length |                             |
|------------------|--------------------------|--------|--------|-----------------------------|
| HR460            | MEAS2:Pha.I"L1 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR461            |                          |        |        | HR460 (Lo-16bits)           |
| HR462            | MEAS2:Pha.I"L2 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR463            |                          |        |        | HR462 (Lo-16bits)           |
| HR464            | MEAS2:Pha.I"L2 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR465            |                          |        |        | HR464 (Lo-16bits)           |
| HR466            | MEAS2:Pha.I"L3 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR467            |                          |        |        | HR466 (Lo-16bits)           |
| HR468            | MEAS2:Pha.I"L3 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR469            |                          |        |        | HR468 (Lo-16bits)           |
| HR470            | MEAS2:Res.I"01 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR471            |                          |        |        | HR470 (Lo-16bits)           |
| HR472            | MEAS2:Res.I"01 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR473            |                          |        |        | HR472 (Lo-16bits)           |
| HR474            | MEAS2:Res.I"02 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR475            |                          |        |        | HR474 (Lo-16bits)           |
| HR476            | MEAS2:Res.I"02 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR477            |                          |        |        | HR476 (Lo-16bits)           |
| HR478            | MEAS2:P-P curr.I"L1      | R      | 2      | FLOAT [0...500] (Hi-16bits) |
| HR479            |                          |        |        | HR478 (Lo-16bits)           |
| HR480            | MEAS2:P-P curr.I"L2      | R      | 2      | FLOAT [0...500] (Hi-16bits) |
| HR481            |                          |        |        | HR480 (Lo-16bits)           |
| HR482            | MEAS2:P-P curr.I"L3      | R      | 2      | FLOAT [0...500] (Hi-16bits) |
| HR483            |                          |        |        | HR482 (Lo-16bits)           |
| HR484            | MEAS2:P-P curr.I"01      | R      | 2      | FLOAT [0...500] (Hi-16bits) |
| HR485            |                          |        |        | HR484 (Lo-16bits)           |
| HR486            | MEAS2:P-P curr.I"02      | R      | 2      | FLOAT [0...500] (Hi-16bits) |
| HR487            |                          |        |        | HR486 (Lo-16bits)           |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR488            | MEAS2:I"L1 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR489            |                    |        |        | HR488 (Lo-16bits)              |
| HR490            | MEAS2:I"L1 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR491            |                    |        |        | HR490 (Lo-16bits)              |
| HR492            | MEAS2:I"L1 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR493            |                    |        |        | HR492 (Lo-16bits)              |
| HR494            | MEAS2:I"L1 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR495            |                    |        |        | HR494 (Lo-16bits)              |
| HR496            | MEAS2:I"L1 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR497            |                    |        |        | HR496 (Lo-16bits)              |
| HR498            | MEAS2:I"L1 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR499            |                    |        |        | HR498 (Lo-16bits)              |
| HR500            | MEAS2:I"L1 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR501            |                    |        |        | HR500 (Lo-16bits)              |
| HR502            | MEAS2:I"L1 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR503            |                    |        |        | HR502 (Lo-16bits)              |
| HR504            | MEAS2:I"L1 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR505            |                    |        |        | HR504 (Lo-16bits)              |
| HR506            | MEAS2:I"L1 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR507            |                    |        |        | HR506 (Lo-16bits)              |
| HR508            | MEAS2:I"L1 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR509            |                    |        |        | HR508 (Lo-16bits)              |
| HR510            | MEAS2:I"L1 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR511            |                    |        |        | HR510 (Lo-16bits)              |
| HR512            | MEAS2:I"L1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR513            |                    |        |        | HR512 (Lo-16bits)              |
| HR514            | MEAS2:I"L1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR515            |                    |        |        | HR514 (Lo-16bits)              |
| HR516            | MEAS2:I"L1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR517            |                    |        |        | HR516 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR518            | MEAS2:I"L1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR519            |                    |        |        | HR518 (Lo-16bits)              |
| HR520            | MEAS2:I"L1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR521            |                    |        |        | HR520 (Lo-16bits)              |
| HR522            | MEAS2:I"L1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR523            |                    |        |        | HR522 (Lo-16bits)              |
| HR524            | MEAS2:I"L1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR525            |                    |        |        | HR524 (Lo-16bits)              |
| HR526            | MEAS2:I"L1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR527            |                    |        |        | HR526 (Lo-16bits)              |
| HR528            | MEAS2:I"L1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR529            |                    |        |        | HR528 (Lo-16bits)              |
| HR530            | MEAS2:I"L1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR531            |                    |        |        | HR530 (Lo-16bits)              |
| HR532            | MEAS2:I"L1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR533            |                    |        |        | HR532 (Lo-16bits)              |
| HR534            | MEAS2:I"L1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR535            |                    |        |        | HR534 (Lo-16bits)              |
| HR536            | MEAS2:I"L1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR537            |                    |        |        | HR536 (Lo-16bits)              |
| HR538            | MEAS2:I"L1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR539            |                    |        |        | HR538 (Lo-16bits)              |
| HR540            | MEAS2:I"L1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR541            |                    |        |        | HR540 (Lo-16bits)              |
| HR542            | MEAS2:I"L1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR543            |                    |        |        | HR542 (Lo-16bits)              |
| HR544            | MEAS2:I"L1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR545            |                    |        |        | HR544 (Lo-16bits)              |
| HR546            | MEAS2:I"L1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR547            |                    |        |        | HR546 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR548            | MEAS2:I"L1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR549            |                    |        |        | HR548 (Lo-16bits)              |
| HR550            | MEAS2:I"L2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR551            |                    |        |        | HR550 (Lo-16bits)              |
| HR552            | MEAS2:I"L2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR553            |                    |        |        | HR552 (Lo-16bits)              |
| HR554            | MEAS2:I"L2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR555            |                    |        |        | HR554 (Lo-16bits)              |
| HR556            | MEAS2:I"L2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR557            |                    |        |        | HR556 (Lo-16bits)              |
| HR558            | MEAS2:I"L2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR559            |                    |        |        | HR558 (Lo-16bits)              |
| HR560            | MEAS2:I"L2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR561            |                    |        |        | HR560 (Lo-16bits)              |
| HR562            | MEAS2:I"L2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR563            |                    |        |        | HR562 (Lo-16bits)              |
| HR564            | MEAS2:I"L2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR565            |                    |        |        | HR564 (Lo-16bits)              |
| HR566            | MEAS2:I"L2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR567            |                    |        |        | HR566 (Lo-16bits)              |
| HR568            | MEAS2:I"L2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR569            |                    |        |        | HR568 (Lo-16bits)              |
| HR570            | MEAS2:I"L2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR571            |                    |        |        | HR570 (Lo-16bits)              |
| HR572            | MEAS2:I"L2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR573            |                    |        |        | HR572 (Lo-16bits)              |
| HR574            | MEAS2:I"L2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR575            |                    |        |        | HR574 (Lo-16bits)              |
| HR576            | MEAS2:I"L2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR577            |                    |        |        | HR576 (Lo-16bits)              |

| Holding Register | Parameter                       | Access | Length |                                |
|------------------|---------------------------------|--------|--------|--------------------------------|
| HR578            | MEAS2:I <sup>2</sup> L2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR579            |                                 |        |        | HR578 (Lo-16bits)              |
| HR580            | MEAS2:I <sup>2</sup> L2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR581            |                                 |        |        | HR580 (Lo-16bits)              |
| HR582            | MEAS2:I <sup>2</sup> L2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR583            |                                 |        |        | HR582 (Lo-16bits)              |
| HR584            | MEAS2:I <sup>2</sup> L2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR585            |                                 |        |        | HR584 (Lo-16bits)              |
| HR586            | MEAS2:I <sup>2</sup> L2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR587            |                                 |        |        | HR586 (Lo-16bits)              |
| HR588            | MEAS2:I <sup>2</sup> L2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR589            |                                 |        |        | HR588 (Lo-16bits)              |
| HR590            | MEAS2:I <sup>2</sup> L2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR591            |                                 |        |        | HR590 (Lo-16bits)              |
| HR592            | MEAS2:I <sup>2</sup> L2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR593            |                                 |        |        | HR592 (Lo-16bits)              |
| HR594            | MEAS2:I <sup>2</sup> L2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR595            |                                 |        |        | HR594 (Lo-16bits)              |
| HR596            | MEAS2:I <sup>2</sup> L2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR597            |                                 |        |        | HR596 (Lo-16bits)              |
| HR598            | MEAS2:I <sup>2</sup> L2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR599            |                                 |        |        | HR598 (Lo-16bits)              |
| HR600            | MEAS2:I <sup>2</sup> L2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR601            |                                 |        |        | HR600 (Lo-16bits)              |
| HR602            | MEAS2:I <sup>2</sup> L2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR603            |                                 |        |        | HR602 (Lo-16bits)              |
| HR604            | MEAS2:I <sup>2</sup> L2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR605            |                                 |        |        | HR604 (Lo-16bits)              |
| HR606            | MEAS2:I <sup>2</sup> L2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR607            |                                 |        |        | HR606 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR608            | MEAS2:I"L2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR609            |                    |        |        | HR608 (Lo-16bits)              |
| HR610            | MEAS2:I"L2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR611            |                    |        |        | HR610 (Lo-16bits)              |
| HR612            | MEAS2:I"L3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR613            |                    |        |        | HR612 (Lo-16bits)              |
| HR614            | MEAS2:I"L3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR615            |                    |        |        | HR614 (Lo-16bits)              |
| HR616            | MEAS2:I"L3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR617            |                    |        |        | HR616 (Lo-16bits)              |
| HR618            | MEAS2:I"L3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR619            |                    |        |        | HR618 (Lo-16bits)              |
| HR620            | MEAS2:I"L3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR621            |                    |        |        | HR620 (Lo-16bits)              |
| HR622            | MEAS2:I"L3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR623            |                    |        |        | HR622 (Lo-16bits)              |
| HR624            | MEAS2:I"L3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR625            |                    |        |        | HR624 (Lo-16bits)              |
| HR626            | MEAS2:I"L3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR627            |                    |        |        | HR626 (Lo-16bits)              |
| HR628            | MEAS2:I"L3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR629            |                    |        |        | HR628 (Lo-16bits)              |
| HR630            | MEAS2:I"L3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR631            |                    |        |        | HR630 (Lo-16bits)              |
| HR632            | MEAS2:I"L3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR633            |                    |        |        | HR632 (Lo-16bits)              |
| HR634            | MEAS2:I"L3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR635            |                    |        |        | HR634 (Lo-16bits)              |
| HR636            | MEAS2:I"L3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR637            |                    |        |        | HR636 (Lo-16bits)              |



| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR638            | MEAS2:I"L3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR639            |                    |        |        | HR638 (Lo-16bits)              |
| HR640            | MEAS2:I"L3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR641            |                    |        |        | HR640 (Lo-16bits)              |
| HR642            | MEAS2:I"L3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR643            |                    |        |        | HR642 (Lo-16bits)              |
| HR644            | MEAS2:I"L3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR645            |                    |        |        | HR644 (Lo-16bits)              |
| HR646            | MEAS2:I"L3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR647            |                    |        |        | HR646 (Lo-16bits)              |
| HR648            | MEAS2:I"L3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR649            |                    |        |        | HR648 (Lo-16bits)              |
| HR650            | MEAS2:I"L3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR651            |                    |        |        | HR650 (Lo-16bits)              |
| HR652            | MEAS2:I"L3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR653            |                    |        |        | HR652 (Lo-16bits)              |
| HR654            | MEAS2:I"L3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR655            |                    |        |        | HR654 (Lo-16bits)              |
| HR656            | MEAS2:I"L3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR657            |                    |        |        | HR656 (Lo-16bits)              |
| HR658            | MEAS2:I"L3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR659            |                    |        |        | HR658 (Lo-16bits)              |
| HR660            | MEAS2:I"L3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR661            |                    |        |        | HR660 (Lo-16bits)              |
| HR662            | MEAS2:I"L3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR663            |                    |        |        | HR662 (Lo-16bits)              |
| HR664            | MEAS2:I"L3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR665            |                    |        |        | HR664 (Lo-16bits)              |
| HR666            | MEAS2:I"L3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR667            |                    |        |        | HR666 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR668            | MEAS2:I"L3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR669            |                    |        |        | HR668 (Lo-16bits)              |
| HR670            | MEAS2:I"L3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR671            |                    |        |        | HR670 (Lo-16bits)              |
| HR672            | MEAS2:I"L3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR673            |                    |        |        | HR672 (Lo-16bits)              |
| HR674            | MEAS2:I"01 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR675            |                    |        |        | HR674 (Lo-16bits)              |
| HR676            | MEAS2:I"01 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR677            |                    |        |        | HR676 (Lo-16bits)              |
| HR678            | MEAS2:I"01 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR679            |                    |        |        | HR678 (Lo-16bits)              |
| HR680            | MEAS2:I"01 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR681            |                    |        |        | HR680 (Lo-16bits)              |
| HR682            | MEAS2:I"01 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR683            |                    |        |        | HR682 (Lo-16bits)              |
| HR684            | MEAS2:I"01 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR685            |                    |        |        | HR684 (Lo-16bits)              |
| HR686            | MEAS2:I"01 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR687            |                    |        |        | HR686 (Lo-16bits)              |
| HR688            | MEAS2:I"01 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR689            |                    |        |        | HR688 (Lo-16bits)              |
| HR690            | MEAS2:I"01 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR691            |                    |        |        | HR690 (Lo-16bits)              |
| HR692            | MEAS2:I"01 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR693            |                    |        |        | HR692 (Lo-16bits)              |
| HR694            | MEAS2:I"01 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR695            |                    |        |        | HR694 (Lo-16bits)              |
| HR696            | MEAS2:I"01 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR697            |                    |        |        | HR696 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR698            | MEAS2:I"01 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR699            |                    |        |        | HR698 (Lo-16bits)              |
| HR700            | MEAS2:I"01 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR701            |                    |        |        | HR700 (Lo-16bits)              |
| HR702            | MEAS2:I"01 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR703            |                    |        |        | HR702 (Lo-16bits)              |
| HR704            | MEAS2:I"01 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR705            |                    |        |        | HR704 (Lo-16bits)              |
| HR706            | MEAS2:I"01 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR707            |                    |        |        | HR706 (Lo-16bits)              |
| HR708            | MEAS2:I"01 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR709            |                    |        |        | HR708 (Lo-16bits)              |
| HR710            | MEAS2:I"01 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR711            |                    |        |        | HR710 (Lo-16bits)              |
| HR712            | MEAS2:I"01 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR713            |                    |        |        | HR712 (Lo-16bits)              |
| HR714            | MEAS2:I"01 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR715            |                    |        |        | HR714 (Lo-16bits)              |
| HR716            | MEAS2:I"01 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR717            |                    |        |        | HR716 (Lo-16bits)              |
| HR718            | MEAS2:I"01 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR719            |                    |        |        | HR718 (Lo-16bits)              |
| HR720            | MEAS2:I"01 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR721            |                    |        |        | HR720 (Lo-16bits)              |
| HR722            | MEAS2:I"01 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR723            |                    |        |        | HR722 (Lo-16bits)              |
| HR724            | MEAS2:I"01 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR725            |                    |        |        | HR724 (Lo-16bits)              |
| HR726            | MEAS2:I"01 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR727            |                    |        |        | HR726 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR728            | MEAS2:I"01 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR729            |                    |        |        | HR728 (Lo-16bits)              |
| HR730            | MEAS2:I"01 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR731            |                    |        |        | HR730 (Lo-16bits)              |
| HR732            | MEAS2:I"01 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR733            |                    |        |        | HR732 (Lo-16bits)              |
| HR734            | MEAS2:I"01 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR735            |                    |        |        | HR734 (Lo-16bits)              |
| HR736            | MEAS2:I"02 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR737            |                    |        |        | HR736 (Lo-16bits)              |
| HR738            | MEAS2:I"02 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR739            |                    |        |        | HR738 (Lo-16bits)              |
| HR740            | MEAS2:I"02 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR741            |                    |        |        | HR740 (Lo-16bits)              |
| HR742            | MEAS2:I"02 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR743            |                    |        |        | HR742 (Lo-16bits)              |
| HR744            | MEAS2:I"02 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR745            |                    |        |        | HR744 (Lo-16bits)              |
| HR746            | MEAS2:I"02 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR747            |                    |        |        | HR746 (Lo-16bits)              |
| HR748            | MEAS2:I"02 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR749            |                    |        |        | HR748 (Lo-16bits)              |
| HR750            | MEAS2:I"02 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR751            |                    |        |        | HR750 (Lo-16bits)              |
| HR752            | MEAS2:I"02 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR753            |                    |        |        | HR752 (Lo-16bits)              |
| HR754            | MEAS2:I"02 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR755            |                    |        |        | HR754 (Lo-16bits)              |
| HR756            | MEAS2:I"02 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR757            |                    |        |        | HR756 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR758            | MEAS2:I"02 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR759            |                    |        |        | HR758 (Lo-16bits)              |
| HR760            | MEAS2:I"02 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR761            |                    |        |        | HR760 (Lo-16bits)              |
| HR762            | MEAS2:I"02 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR763            |                    |        |        | HR762 (Lo-16bits)              |
| HR764            | MEAS2:I"02 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR765            |                    |        |        | HR764 (Lo-16bits)              |
| HR766            | MEAS2:I"02 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR767            |                    |        |        | HR766 (Lo-16bits)              |
| HR768            | MEAS2:I"02 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR769            |                    |        |        | HR768 (Lo-16bits)              |
| HR770            | MEAS2:I"02 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR771            |                    |        |        | HR770 (Lo-16bits)              |
| HR772            | MEAS2:I"02 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR773            |                    |        |        | HR772 (Lo-16bits)              |
| HR774            | MEAS2:I"02 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR775            |                    |        |        | HR774 (Lo-16bits)              |
| HR776            | MEAS2:I"02 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR777            |                    |        |        | HR776 (Lo-16bits)              |
| HR778            | MEAS2:I"02 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR779            |                    |        |        | HR778 (Lo-16bits)              |
| HR780            | MEAS2:I"02 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR781            |                    |        |        | HR780 (Lo-16bits)              |
| HR782            | MEAS2:I"02 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR783            |                    |        |        | HR782 (Lo-16bits)              |
| HR784            | MEAS2:I"02 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR785            |                    |        |        | HR784 (Lo-16bits)              |
| HR786            | MEAS2:I"02 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR787            |                    |        |        | HR786 (Lo-16bits)              |

| Holding Register | Parameter             | Access | Length |                                 |
|------------------|-----------------------|--------|--------|---------------------------------|
| HR788            | MEAS2:I"02 27.harm    | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR789            |                       |        |        | HR788 (Lo-16bits)               |
| HR790            | MEAS2:I"02 28.harm    | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR791            |                       |        |        | HR790 (Lo-16bits)               |
| HR792            | MEAS2:I"02 29.harm    | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR793            |                       |        |        | HR792 (Lo-16bits)               |
| HR794            | MEAS2:I"02 30.harm    | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR795            |                       |        |        | HR794 (Lo-16bits)               |
| HR796            | MEAS2:I"02 31.harm    | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR797            |                       |        |        | HR796 (Lo-16bits)               |
| HR798            | MEAS3:U1Volt pri      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR799            |                       |        |        | HR798 (Lo-16bits)               |
| HR800            | MEAS3:U1Volt sec      | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR801            |                       |        |        | HR800 (Lo-16bits)               |
| HR802            | MEAS3:U2Volt pri      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR803            |                       |        |        | HR802 (Lo-16bits)               |
| HR804            | MEAS3:U2Volt sec      | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR805            |                       |        |        | HR804 (Lo-16bits)               |
| HR806            | MEAS3:U3Volt pri      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR807            |                       |        |        | HR806 (Lo-16bits)               |
| HR808            | MEAS3:U3Volt sec      | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR809            |                       |        |        | HR808 (Lo-16bits)               |
| HR810            | MEAS3:U4Volt pri      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR811            |                       |        |        | HR810 (Lo-16bits)               |
| HR812            | MEAS3:U4Volt sec      | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR813            |                       |        |        | HR812 (Lo-16bits)               |
| HR814            | MEAS3:U1Volt TRMS pri | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR815            |                       |        |        | HR814 (Lo-16bits)               |
| HR816            | MEAS3:U1Volt TRMS sec | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR817            |                       |        |        | HR816 (Lo-16bits)               |

| Holding Register | Parameter               | Access | Length |                                 |
|------------------|-------------------------|--------|--------|---------------------------------|
| HR818            | MEAS3:U2Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR819            |                         |        |        | HR818 (Lo-16bits)               |
| HR820            | MEAS3:U2Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR821            |                         |        |        | HR820 (Lo-16bits)               |
| HR822            | MEAS3:U3Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR823            |                         |        |        | HR822 (Lo-16bits)               |
| HR824            | MEAS3:U3Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR825            |                         |        |        | HR824 (Lo-16bits)               |
| HR826            | MEAS3:U4Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR827            |                         |        |        | HR826 (Lo-16bits)               |
| HR828            | MEAS3:U4Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR829            |                         |        |        | HR828 (Lo-16bits)               |
| HR830            | MEAS3:Pos.seq.Volt.pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR831            |                         |        |        | HR830 (Lo-16bits)               |
| HR832            | MEAS3:Pos.seq.Volt.sec  | R      | 2      | FLOAT [0...480] (Hi-16bits)     |
| HR833            |                         |        |        | HR832 (Lo-16bits)               |
| HR834            | MEAS3:Neg.seq.Volt.pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR835            |                         |        |        | HR834 (Lo-16bits)               |
| HR836            | MEAS3:Neg.seq.Volt.sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR837            |                         |        |        | HR836 (Lo-16bits)               |
| HR838            | MEAS3:Zero.seq.Volt.pri | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR839            |                         |        |        | HR838 (Lo-16bits)               |
| HR840            | MEAS3:Zero.seq.Volt.sec | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR841            |                         |        |        | HR840 (Lo-16bits)               |
| HR842            | MEAS3:U0 Calc. pri      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR843            |                         |        |        | HR842 (Lo-16bits)               |
| HR844            | MEAS3:U0 Calc.Volt sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR845            |                         |        |        | HR844 (Lo-16bits)               |
| HR846            | MEAS3:U1 Angle          | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR847            |                         |        |        | HR846 (Lo-16bits)               |

| Holding Register | Parameter                      | Access | Length |                                 |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR848            | MEAS3:U2 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR849            |                                |        |        | HR848 (Lo-16bits)               |
| HR850            | MEAS3:U3 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR851            |                                |        |        | HR850 (Lo-16bits)               |
| HR852            | MEAS3:U4 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR853            |                                |        |        | HR852 (Lo-16bits)               |
| HR854            | MEAS3:Pos.Seq.volt.Angle       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR855            |                                |        |        | HR854 (Lo-16bits)               |
| HR856            | MEAS3:Neg.Seq.volt.Angle       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR857            |                                |        |        | HR856 (Lo-16bits)               |
| HR858            | MEAS3:Zero.Seq.volt.Angle      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR859            |                                |        |        | HR858 (Lo-16bits)               |
| HR860            | MEAS3:System volt UL12 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR861            |                                |        |        | HR860 (Lo-16bits)               |
| HR862            | MEAS3:System volt UL12 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR863            |                                |        |        | HR862 (Lo-16bits)               |
| HR864            | MEAS3:System volt UL12 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR865            |                                |        |        | HR864 (Lo-16bits)               |
| HR866            | MEAS3:System volt UL23 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR867            |                                |        |        | HR866 (Lo-16bits)               |
| HR868            | MEAS3:System volt UL23 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR869            |                                |        |        | HR868 (Lo-16bits)               |
| HR870            | MEAS3:System volt UL23 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR871            |                                |        |        | HR870 (Lo-16bits)               |
| HR872            | MEAS3:System volt UL31 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR873            |                                |        |        | HR872 (Lo-16bits)               |



| Holding Register | Parameter                      | Access | Length |                                 |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR874            | MEAS3:System volt UL31 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR875            |                                |        |        | HR874 (Lo-16bits)               |
| HR876            | MEAS3:System volt UL31 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR877            |                                |        |        | HR876 (Lo-16bits)               |
| HR878            | MEAS3:System volt UL1 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR879            |                                |        |        | HR878 (Lo-16bits)               |
| HR880            | MEAS3:System volt UL1 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR881            |                                |        |        | HR880 (Lo-16bits)               |
| HR882            | MEAS3:System volt UL1 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR883            |                                |        |        | HR882 (Lo-16bits)               |
| HR884            | MEAS3:System volt UL2 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR885            |                                |        |        | HR884 (Lo-16bits)               |
| HR886            | MEAS3:System volt UL2 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR887            |                                |        |        | HR886 (Lo-16bits)               |
| HR888            | MEAS3:System volt UL2 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR889            |                                |        |        | HR888 (Lo-16bits)               |
| HR890            | MEAS3:System volt UL3 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR891            |                                |        |        | HR890 (Lo-16bits)               |
| HR892            | MEAS3:System volt UL3 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR893            |                                |        |        | HR892 (Lo-16bits)               |
| HR894            | MEAS3:System volt UL3 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR895            |                                |        |        | HR894 (Lo-16bits)               |
| HR896            | MEAS3:System volt U0 mag       | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR897            |                                |        |        | HR896 (Lo-16bits)               |

| Holding Register | Parameter                     | Access | Length |                                 |
|------------------|-------------------------------|--------|--------|---------------------------------|
| HR898            | MEAS3:System volt U0 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR899            |                               |        |        | HR898 (Lo-16bits)               |
| HR900            | MEAS3:System volt U0 mag(%)   | R      | 2      | FLOAT [0...120] (Hi-16bits)     |
| HR901            |                               |        |        | HR900 (Lo-16bits)               |
| HR902            | MEAS3:System volt U0 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR903            |                               |        |        | HR902 (Lo-16bits)               |
| HR904            | MEAS3:System volt U3 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR905            |                               |        |        | HR904 (Lo-16bits)               |
| HR906            | MEAS3:System volt U3 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR907            |                               |        |        | HR906 (Lo-16bits)               |
| HR908            | MEAS3:System volt U3 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR909            |                               |        |        | HR908 (Lo-16bits)               |
| HR910            | MEAS3:System volt U4 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR911            |                               |        |        | HR910 (Lo-16bits)               |
| HR912            | MEAS3:System volt U4 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR913            |                               |        |        | HR912 (Lo-16bits)               |
| HR914            | MEAS3:System volt U4 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR915            |                               |        |        | HR914 (Lo-16bits)               |
| HR916            | MEAS3:System volt UL1 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR917            |                               |        |        | HR916 (Lo-16bits)               |
| HR918            | MEAS3:System volt UL2 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR919            |                               |        |        | HR918 (Lo-16bits)               |
| HR920            | MEAS3:System volt UL3 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR921            |                               |        |        | HR920 (Lo-16bits)               |
| HR922            | MEAS3:U1 Fund                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR923            |                               |        |        | HR922 (Lo-16bits)               |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR924            | MEAS3:U1 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR925            |                  |        |        | HR924 (Lo-16bits)              |
| HR926            | MEAS3:U1 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR927            |                  |        |        | HR926 (Lo-16bits)              |
| HR928            | MEAS3:U1 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR929            |                  |        |        | HR928 (Lo-16bits)              |
| HR930            | MEAS3:U1 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR931            |                  |        |        | HR930 (Lo-16bits)              |
| HR932            | MEAS3:U1 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR933            |                  |        |        | HR932 (Lo-16bits)              |
| HR934            | MEAS3:U1 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR935            |                  |        |        | HR934 (Lo-16bits)              |
| HR936            | MEAS3:U1 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR937            |                  |        |        | HR936 (Lo-16bits)              |
| HR938            | MEAS3:U1 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR939            |                  |        |        | HR938 (Lo-16bits)              |
| HR940            | MEAS3:U1 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR941            |                  |        |        | HR940 (Lo-16bits)              |
| HR942            | MEAS3:U1 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR943            |                  |        |        | HR942 (Lo-16bits)              |
| HR944            | MEAS3:U1 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR945            |                  |        |        | HR944 (Lo-16bits)              |
| HR946            | MEAS3:U1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR947            |                  |        |        | HR946 (Lo-16bits)              |
| HR948            | MEAS3:U1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR949            |                  |        |        | HR948 (Lo-16bits)              |
| HR950            | MEAS3:U1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR951            |                  |        |        | HR950 (Lo-16bits)              |
| HR952            | MEAS3:U1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR953            |                  |        |        | HR952 (Lo-16bits)              |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR954            | MEAS3:U1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR955            |                  |        |        | HR954 (Lo-16bits)              |
| HR956            | MEAS3:U1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR957            |                  |        |        | HR956 (Lo-16bits)              |
| HR958            | MEAS3:U1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR959            |                  |        |        | HR958 (Lo-16bits)              |
| HR960            | MEAS3:U1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR961            |                  |        |        | HR960 (Lo-16bits)              |
| HR962            | MEAS3:U1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR963            |                  |        |        | HR962 (Lo-16bits)              |
| HR964            | MEAS3:U1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR965            |                  |        |        | HR964 (Lo-16bits)              |
| HR966            | MEAS3:U1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR967            |                  |        |        | HR966 (Lo-16bits)              |
| HR968            | MEAS3:U1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR969            |                  |        |        | HR968 (Lo-16bits)              |
| HR970            | MEAS3:U1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR971            |                  |        |        | HR970 (Lo-16bits)              |
| HR972            | MEAS3:U1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR973            |                  |        |        | HR972 (Lo-16bits)              |
| HR974            | MEAS3:U1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR975            |                  |        |        | HR974 (Lo-16bits)              |
| HR976            | MEAS3:U1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR977            |                  |        |        | HR976 (Lo-16bits)              |
| HR978            | MEAS3:U1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR979            |                  |        |        | HR978 (Lo-16bits)              |
| HR980            | MEAS3:U1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR981            |                  |        |        | HR980 (Lo-16bits)              |
| HR982            | MEAS3:U1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR983            |                  |        |        | HR982 (Lo-16bits)              |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR984            | MEAS3:U2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR985            |                  |        |        | HR984 (Lo-16bits)              |
| HR986            | MEAS3:U2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR987            |                  |        |        | HR986 (Lo-16bits)              |
| HR988            | MEAS3:U2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR989            |                  |        |        | HR988 (Lo-16bits)              |
| HR990            | MEAS3:U2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR991            |                  |        |        | HR990 (Lo-16bits)              |
| HR992            | MEAS3:U2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR993            |                  |        |        | HR992 (Lo-16bits)              |
| HR994            | MEAS3:U2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR995            |                  |        |        | HR994 (Lo-16bits)              |
| HR996            | MEAS3:U2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR997            |                  |        |        | HR996 (Lo-16bits)              |
| HR998            | MEAS3:U2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR999            |                  |        |        | HR998 (Lo-16bits)              |
| HR1000           | MEAS3:U2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1001           |                  |        |        | HR1000 (Lo-16bits)             |
| HR1002           | MEAS3:U2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1003           |                  |        |        | HR1002 (Lo-16bits)             |
| HR1004           | MEAS3:U2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1005           |                  |        |        | HR1004 (Lo-16bits)             |
| HR1006           | MEAS3:U2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1007           |                  |        |        | HR1006 (Lo-16bits)             |
| HR1008           | MEAS3:U2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1009           |                  |        |        | HR1008 (Lo-16bits)             |
| HR1010           | MEAS3:U2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1011           |                  |        |        | HR1010 (Lo-16bits)             |
| HR1012           | MEAS3:U2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1013           |                  |        |        | HR1012 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1014           | MEAS3:U2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1015           |                  |        |        | HR1014 (Lo-16bits)             |
| HR1016           | MEAS3:U2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1017           |                  |        |        | HR1016 (Lo-16bits)             |
| HR1018           | MEAS3:U2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1019           |                  |        |        | HR1018 (Lo-16bits)             |
| HR1020           | MEAS3:U2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1021           |                  |        |        | HR1020 (Lo-16bits)             |
| HR1022           | MEAS3:U2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1023           |                  |        |        | HR1022 (Lo-16bits)             |
| HR1024           | MEAS3:U2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1025           |                  |        |        | HR1024 (Lo-16bits)             |
| HR1026           | MEAS3:U2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1027           |                  |        |        | HR1026 (Lo-16bits)             |
| HR1028           | MEAS3:U2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1029           |                  |        |        | HR1028 (Lo-16bits)             |
| HR1030           | MEAS3:U2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1031           |                  |        |        | HR1030 (Lo-16bits)             |
| HR1032           | MEAS3:U2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1033           |                  |        |        | HR1032 (Lo-16bits)             |
| HR1034           | MEAS3:U2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1035           |                  |        |        | HR1034 (Lo-16bits)             |
| HR1036           | MEAS3:U2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1037           |                  |        |        | HR1036 (Lo-16bits)             |
| HR1038           | MEAS3:U2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1039           |                  |        |        | HR1038 (Lo-16bits)             |
| HR1040           | MEAS3:U2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1041           |                  |        |        | HR1040 (Lo-16bits)             |
| HR1042           | MEAS3:U2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1043           |                  |        |        | HR1042 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1044           | MEAS3:U2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1045           |                  |        |        | HR1044 (Lo-16bits)             |
| HR1046           | MEAS3:U3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1047           |                  |        |        | HR1046 (Lo-16bits)             |
| HR1048           | MEAS3:U3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1049           |                  |        |        | HR1048 (Lo-16bits)             |
| HR1050           | MEAS3:U3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1051           |                  |        |        | HR1050 (Lo-16bits)             |
| HR1052           | MEAS3:U3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1053           |                  |        |        | HR1052 (Lo-16bits)             |
| HR1054           | MEAS3:U3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1055           |                  |        |        | HR1054 (Lo-16bits)             |
| HR1056           | MEAS3:U3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1057           |                  |        |        | HR1056 (Lo-16bits)             |
| HR1058           | MEAS3:U3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1059           |                  |        |        | HR1058 (Lo-16bits)             |
| HR1060           | MEAS3:U3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1061           |                  |        |        | HR1060 (Lo-16bits)             |
| HR1062           | MEAS3:U3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1063           |                  |        |        | HR1062 (Lo-16bits)             |
| HR1064           | MEAS3:U3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1065           |                  |        |        | HR1064 (Lo-16bits)             |
| HR1066           | MEAS3:U3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1067           |                  |        |        | HR1066 (Lo-16bits)             |
| HR1068           | MEAS3:U3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1069           |                  |        |        | HR1068 (Lo-16bits)             |
| HR1070           | MEAS3:U3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1071           |                  |        |        | HR1070 (Lo-16bits)             |
| HR1072           | MEAS3:U3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1073           |                  |        |        | HR1072 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1074           | MEAS3:U3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1075           |                  |        |        | HR1074 (Lo-16bits)             |
| HR1076           | MEAS3:U3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1077           |                  |        |        | HR1076 (Lo-16bits)             |
| HR1078           | MEAS3:U3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1079           |                  |        |        | HR1078 (Lo-16bits)             |
| HR1080           | MEAS3:U3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1081           |                  |        |        | HR1080 (Lo-16bits)             |
| HR1082           | MEAS3:U3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1083           |                  |        |        | HR1082 (Lo-16bits)             |
| HR1084           | MEAS3:U3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1085           |                  |        |        | HR1084 (Lo-16bits)             |
| HR1086           | MEAS3:U3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1087           |                  |        |        | HR1086 (Lo-16bits)             |
| HR1088           | MEAS3:U3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1089           |                  |        |        | HR1088 (Lo-16bits)             |
| HR1090           | MEAS3:U3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1091           |                  |        |        | HR1090 (Lo-16bits)             |
| HR1092           | MEAS3:U3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1093           |                  |        |        | HR1092 (Lo-16bits)             |
| HR1094           | MEAS3:U3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1095           |                  |        |        | HR1094 (Lo-16bits)             |
| HR1096           | MEAS3:U3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1097           |                  |        |        | HR1096 (Lo-16bits)             |
| HR1098           | MEAS3:U3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1099           |                  |        |        | HR1098 (Lo-16bits)             |
| HR1100           | MEAS3:U3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1101           |                  |        |        | HR1100 (Lo-16bits)             |
| HR1102           | MEAS3:U3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1103           |                  |        |        | HR1102 (Lo-16bits)             |



| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1104           | MEAS3:U3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1105           |                  |        |        | HR1104 (Lo-16bits)             |
| HR1106           | MEAS3:U3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1107           |                  |        |        | HR1106 (Lo-16bits)             |
| HR1108           | MEAS3:U4 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1109           |                  |        |        | HR1108 (Lo-16bits)             |
| HR1110           | MEAS3:U4 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1111           |                  |        |        | HR1110 (Lo-16bits)             |
| HR1112           | MEAS3:U4 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1113           |                  |        |        | HR1112 (Lo-16bits)             |
| HR1114           | MEAS3:U4 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1115           |                  |        |        | HR1114 (Lo-16bits)             |
| HR1116           | MEAS3:U4 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1117           |                  |        |        | HR1116 (Lo-16bits)             |
| HR1118           | MEAS3:U4 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1119           |                  |        |        | HR1118 (Lo-16bits)             |
| HR1120           | MEAS3:U4 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1121           |                  |        |        | HR1120 (Lo-16bits)             |
| HR1122           | MEAS3:U4 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1123           |                  |        |        | HR1122 (Lo-16bits)             |
| HR1124           | MEAS3:U4 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1125           |                  |        |        | HR1124 (Lo-16bits)             |
| HR1126           | MEAS3:U4 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1127           |                  |        |        | HR1126 (Lo-16bits)             |
| HR1128           | MEAS3:U4 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1129           |                  |        |        | HR1128 (Lo-16bits)             |
| HR1130           | MEAS3:U4 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1131           |                  |        |        | HR1130 (Lo-16bits)             |
| HR1132           | MEAS3:U4 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1133           |                  |        |        | HR1132 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1134           | MEAS3:U4 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1135           |                  |        |        | HR1134 (Lo-16bits)             |
| HR1136           | MEAS3:U4 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1137           |                  |        |        | HR1136 (Lo-16bits)             |
| HR1138           | MEAS3:U4 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1139           |                  |        |        | HR1138 (Lo-16bits)             |
| HR1140           | MEAS3:U4 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1141           |                  |        |        | HR1140 (Lo-16bits)             |
| HR1142           | MEAS3:U4 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1143           |                  |        |        | HR1142 (Lo-16bits)             |
| HR1144           | MEAS3:U4 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1145           |                  |        |        | HR1144 (Lo-16bits)             |
| HR1146           | MEAS3:U4 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1147           |                  |        |        | HR1146 (Lo-16bits)             |
| HR1148           | MEAS3:U4 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1149           |                  |        |        | HR1148 (Lo-16bits)             |
| HR1150           | MEAS3:U4 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1151           |                  |        |        | HR1150 (Lo-16bits)             |
| HR1152           | MEAS3:U4 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1153           |                  |        |        | HR1152 (Lo-16bits)             |
| HR1154           | MEAS3:U4 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1155           |                  |        |        | HR1154 (Lo-16bits)             |
| HR1156           | MEAS3:U4 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1157           |                  |        |        | HR1156 (Lo-16bits)             |
| HR1158           | MEAS3:U4 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1159           |                  |        |        | HR1158 (Lo-16bits)             |
| HR1160           | MEAS3:U4 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1161           |                  |        |        | HR1160 (Lo-16bits)             |
| HR1162           | MEAS3:U4 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1163           |                  |        |        | HR1162 (Lo-16bits)             |

| Holding Register | Parameter                                        | Access | Length |                                              |
|------------------|--------------------------------------------------|--------|--------|----------------------------------------------|
| HR1164           | MEAS3:U4 29.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1165           |                                                  |        |        | HR1164 (Lo-16bits)                           |
| HR1166           | MEAS3:U4 30.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1167           |                                                  |        |        | HR1166 (Lo-16bits)                           |
| HR1168           | MEAS3:U4 31.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1169           |                                                  |        |        | HR1168 (Lo-16bits)                           |
| HR1170           | POW1:Export Active Energy (P) MWh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1171           |                                                  |        |        | HR1170 (Lo-16bits)                           |
| HR1172           | POW1:Export Active Energy (P) kWh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1173           |                                                  |        |        | HR1172 (Lo-16bits)                           |
| HR1174           | POW1:Import Active Energy (P) MWh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1175           |                                                  |        |        | HR1174 (Lo-16bits)                           |
| HR1176           | POW1:Import Active Energy (P) kWh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1177           |                                                  |        |        | HR1176 (Lo-16bits)                           |
| HR1178           | POW1:Active Energy (P) Export/Import balance MWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1179           |                                                  |        |        | HR1178 (Lo-16bits)                           |
| HR1180           | POW1:Active Energy (P) Export/Import balance kWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1181           |                                                  |        |        | HR1180 (Lo-16bits)                           |
| HR1182           | POW1:Imported (Q) while Export (P) MVarh         | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1183           |                                                  |        |        | HR1182 (Lo-16bits)                           |
| HR1184           | POW1:Imported (Q) while Export (P) kVarh         | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1185           |                                                  |        |        | HR1184 (Lo-16bits)                           |
| HR1186           | POW1:Imported (Q) while Import (P) MVarh         | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1187           |                                                  |        |        | HR1186 (Lo-16bits)                           |
| HR1188           | POW1:Imported (Q) while Import (P) kVarh         | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |

| Holding Register | Parameter                                               | Access | Length |                                              |
|------------------|---------------------------------------------------------|--------|--------|----------------------------------------------|
| HR1189           |                                                         |        |        | HR1188 (Lo-16bits)                           |
| HR1190           | POW1:Reactive Energy (Q) balance while Import (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1191           |                                                         |        |        | HR1190 (Lo-16bits)                           |
| HR1192           | POW1:Reactive Energy (Q) balance while Import (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1193           |                                                         |        |        | HR1192 (Lo-16bits)                           |
| HR1194           | POW1:Exported (Q) while Export (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1195           |                                                         |        |        | HR1194 (Lo-16bits)                           |
| HR1196           | POW1:Exported (Q) while Export (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1197           |                                                         |        |        | HR1196 (Lo-16bits)                           |
| HR1198           | POW1:Exported (Q) while Import (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1199           |                                                         |        |        | HR1198 (Lo-16bits)                           |
| HR1200           | POW1:Exported (Q) while Import (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1201           |                                                         |        |        | HR1200 (Lo-16bits)                           |
| HR1202           | POW1:Reactive Energy (Q) balance while Export (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1203           |                                                         |        |        | HR1202 (Lo-16bits)                           |
| HR1204           | POW1:Reactive Energy (Q) balance while Export (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1205           |                                                         |        |        | HR1204 (Lo-16bits)                           |
| HR1206           | POW1:Reset 3ph Energies                                 | RW     | 1      | 0=-;1=Reset                                  |
| HR1207           | POW1:POW1 3PH Apparent power (S)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1208           |                                                         |        |        | HR1207 (Lo-16bits)                           |
| HR1209           | POW1:POW1 3PH Apparent power (S MVA)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1210           |                                                         |        |        | HR1209 (Lo-16bits)                           |
| HR1211           | POW1:POW1 3PH Active power (P)                          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |

| Holding Register | Parameter                            | Access | Length |                                        |
|------------------|--------------------------------------|--------|--------|----------------------------------------|
| HR1212           |                                      |        |        | HR1211 (Lo-16bits)                     |
| HR1213           | POW1:POW1 3PH Active power (P MW)    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1214           |                                      |        |        | HR1213 (Lo-16bits)                     |
| HR1215           | POW1:POW1 3PH Reactive power (Q)     | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1216           |                                      |        |        | HR1215 (Lo-16bits)                     |
| HR1217           | POW1:POW1 3PH Reactive power (QMVar) | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1218           |                                      |        |        | HR1217 (Lo-16bits)                     |
| HR1219           | POW1:POW1 3PH Tan(phi)               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1220           |                                      |        |        | HR1219 (Lo-16bits)                     |
| HR1221           | POW1:POW1 3PH Cos(phi)               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1222           |                                      |        |        | HR1221 (Lo-16bits)                     |
| HR1223           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1224           |                                      |        |        | HR1223 (Lo-16bits)                     |
| HR1225           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1226           |                                      |        |        | HR1225 (Lo-16bits)                     |
| HR1227           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1228           |                                      |        |        | HR1227 (Lo-16bits)                     |
| HR1229           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1230           |                                      |        |        | HR1229 (Lo-16bits)                     |
| HR1231           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1232           |                                      |        |        | HR1231 (Lo-16bits)                     |
| HR1233           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1234           |                                      |        |        | HR1233 (Lo-16bits)                     |
| HR1235           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1236           |                                      |        |        | HR1235 (Lo-16bits)                     |

| Holding Register | Parameter                                                         | Access | Length |                                                                             |
|------------------|-------------------------------------------------------------------|--------|--------|-----------------------------------------------------------------------------|
| HR1237           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                      |
| HR1238           |                                                                   |        |        | HR1237 (Lo-16bits)                                                          |
| HR1239           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                      |
| HR1240           |                                                                   |        |        | HR1239 (Lo-16bits)                                                          |
| HR1241           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                      |
| HR1242           |                                                                   |        |        | HR1241 (Lo-16bits)                                                          |
| HR1243           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                      |
| HR1244           |                                                                   |        |        | HR1243 (Lo-16bits)                                                          |
| HR1245           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                      |
| HR1246           |                                                                   |        |        | HR1245 (Lo-16bits)                                                          |
| HR1247           | FREQS:f atm. Protections (when not measurable returns to nominal) | R      | 2      | FLOAT [0...75] (Hi-16bits)                                                  |
| HR1248           |                                                                   |        |        | HR1247 (Lo-16bits)                                                          |
| HR1249           | DIGI:Dis 1-32                                                     | R      | 2      | 0b=DI1;1b=DI2;2b=DI3;3b=DI4;4b=DI5;5b=DI6;6b=DI7;7b=DI8; (Hi-16bits)        |
| HR1250           |                                                                   |        |        | HR1249 (Lo-16bits)                                                          |
| HR1251           | DIGI:Dis 33-64                                                    | R      | 2      | 0b=DI33;1b=DI34;2b=DI35;3b=DI36;4b=DI37;5b=DI38;6b=DI39; (Hi-16bits)        |
| HR1252           |                                                                   |        |        | HR1251 (Lo-16bits)                                                          |
| HR1253           | RELE:Outputs status                                               | R      | 2      | 0b=O1;1b=O2;2b=O3;3b=O4;4b=O5;5b=O6;6b=O7;7b=O8;8b=O9; (Hi-16bits)          |
| HR1254           |                                                                   |        |        | HR1253 (Lo-16bits)                                                          |
| HR1255           | SGS:Active setting group                                          | R      | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8                             |
| HR1256           | SGS:Force SG                                                      | RW     | 1      | 0=none;1=SG1;2=SG2;3=SG3;4=SG4;5=SG5;6=SG6;7=SG7;8=SG8                      |
| HR1257           | SGS:Force SG change                                               | RW     | 1      | 0=Disabled;1=Enabled                                                        |
| HR1258           | SGS:Used setting groups                                           | RW     | 1      | 0=SG1;1=SG1...2;2=SG1...3;3=SG1...4;4=SG1...5;5=SG1...6;6=SG1...7;7=SG1...8 |
| HR1259           | SGS:Remote SG change                                              | RW     | 1      | 0=none;1=SG1;2=SG2;3=SG3;4=SG4;5=SG5;6=SG6;7=SG7;8=SG8                      |
| HR1260           | LOGIC:Reset Latches                                               | RW     | 1      | 0=-;1=Reset                                                                 |
| HR1261           | NOC1:I> condition                                                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1262           | NOC2:I>> condition                                                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |

| Holding Register | Parameter                  | Access | Length |                                                             |
|------------------|----------------------------|--------|--------|-------------------------------------------------------------|
| HR1263           | NOC3:I>>> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1264           | NOC4:I>>>> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1265           | DOC1:I:dir> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1266           | DOC2:I:dir>> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1267           | DOC3:I:dir>>> condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1268           | DOC4:I:dir>>>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1269           | NEF1:I0> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1270           | NEF1:Detected fault type   | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1271           | NEF2:I0>> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1272           | NEF2:Detected fault type   | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1273           | NEF3:I0>>> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1274           | NEF3:Detected fault type   | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1275           | NEF4:I0>>>> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1276           | NEF4:Detected fault type   | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1277           | DEF1:I0:dir> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1278           | DEF1:U0> Measuring now     | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1279           | DEF1:I0 Direction now      | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1280           | DEF2:I0:dir>> condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1281           | DEF2:U0>> Measuring now    | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1282           | DEF2:I0 Direction now      | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1283           | DEF3:I0:dir>>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1284           | DEF3:U0>>>> Measuring now  | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1285           | DEF3:I0 Direction now      | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1286           | DEF4:I0:dir>>>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1287           | DEF4:U0>>>>> Measuring now | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1288           | DEF4:I0 Direction now      | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1289           | IEF1:I0Int> condition      | R      | 1      | 0=Normal;1=StartFWD;2=StartREV;3=Trip;4=Blocked;            |
| HR1290           | IEF1:U0> Measuring now     | R      | 1      | 0=No U0 avail!;1=U3 Input;2=U4 Input                        |
| HR1291           | CUB1:I2> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |

| Holding Register | Parameter             | Access | Length |                                   |
|------------------|-----------------------|--------|--------|-----------------------------------|
| HR1292           | CUB2:I2>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1293           | CUB3:I2>>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1294           | CUB4:I2>>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1295           | HOC1:Ih> condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1296           | HOC1:L1 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1297           |                       |        |        | HR1296 (Lo-16bits)                |
| HR1298           | HOC1:L1 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1299           |                       |        |        | HR1298 (Lo-16bits)                |
| HR1300           | HOC1:L2 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1301           |                       |        |        | HR1300 (Lo-16bits)                |
| HR1302           | HOC1:L2 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1303           |                       |        |        | HR1302 (Lo-16bits)                |
| HR1304           | HOC1:L3 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1305           |                       |        |        | HR1304 (Lo-16bits)                |
| HR1306           | HOC1:L3 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1307           |                       |        |        | HR1306 (Lo-16bits)                |
| HR1308           | HOC1:I01 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1309           |                       |        |        | HR1308 (Lo-16bits)                |
| HR1310           | HOC1:I01 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1311           |                       |        |        | HR1310 (Lo-16bits)                |
| HR1312           | HOC1:I02 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1313           |                       |        |        | HR1312 (Lo-16bits)                |
| HR1314           | HOC1:I02 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1315           |                       |        |        | HR1314 (Lo-16bits)                |
| HR1316           | HOC2:Ih>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1317           | HOC2:L1 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1318           |                       |        |        | HR1317 (Lo-16bits)                |
| HR1319           | HOC2:L1 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1320           |                       |        |        | HR1319 (Lo-16bits)                |
| HR1321           | HOC2:L2 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |



| Holding Register | Parameter            | Access | Length |                                   |
|------------------|----------------------|--------|--------|-----------------------------------|
| HR1322           |                      |        |        | HR1321 (Lo-16bits)                |
| HR1323           | HOC2:L2 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1324           |                      |        |        | HR1323 (Lo-16bits)                |
| HR1325           | HOC2:L3 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1326           |                      |        |        | HR1325 (Lo-16bits)                |
| HR1327           | HOC2:L3 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1328           |                      |        |        | HR1327 (Lo-16bits)                |
| HR1329           | HOC2:I01 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1330           |                      |        |        | HR1329 (Lo-16bits)                |
| HR1331           | HOC2:I01 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1332           |                      |        |        | HR1331 (Lo-16bits)                |
| HR1333           | HOC2:I02 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1334           |                      |        |        | HR1333 (Lo-16bits)                |
| HR1335           | HOC2:I02 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1336           |                      |        |        | HR1335 (Lo-16bits)                |
| HR1337           | HOC3:Ih>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1338           | HOC3:L1 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1339           |                      |        |        | HR1338 (Lo-16bits)                |
| HR1340           | HOC3:L1 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1341           |                      |        |        | HR1340 (Lo-16bits)                |
| HR1342           | HOC3:L2 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1343           |                      |        |        | HR1342 (Lo-16bits)                |
| HR1344           | HOC3:L2 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1345           |                      |        |        | HR1344 (Lo-16bits)                |
| HR1346           | HOC3:L3 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1347           |                      |        |        | HR1346 (Lo-16bits)                |
| HR1348           | HOC3:L3 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1349           |                      |        |        | HR1348 (Lo-16bits)                |
| HR1350           | HOC3:I01 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1351           |                      |        |        | HR1350 (Lo-16bits)                |

| Holding Register | Parameter               | Access | Length |                                                            |
|------------------|-------------------------|--------|--------|------------------------------------------------------------|
| HR1352           | HOC3:I01 Harm per       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1353           |                         |        |        | HR1352 (Lo-16bits)                                         |
| HR1354           | HOC3:I02 Harm p.u.      | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1355           |                         |        |        | HR1354 (Lo-16bits)                                         |
| HR1356           | HOC3:I02 Harm per       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1357           |                         |        |        | HR1356 (Lo-16bits)                                         |
| HR1358           | HOC4:Ih>>>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                          |
| HR1359           | HOC4:L1 Harm p.u.       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1360           |                         |        |        | HR1359 (Lo-16bits)                                         |
| HR1361           | HOC4:L1 Harm per        | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1362           |                         |        |        | HR1361 (Lo-16bits)                                         |
| HR1363           | HOC4:L2 Harm p.u.       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1364           |                         |        |        | HR1363 (Lo-16bits)                                         |
| HR1365           | HOC4:L2 Harm per        | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1366           |                         |        |        | HR1365 (Lo-16bits)                                         |
| HR1367           | HOC4:L3 Harm p.u.       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1368           |                         |        |        | HR1367 (Lo-16bits)                                         |
| HR1369           | HOC4:L3 Harm per        | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1370           |                         |        |        | HR1369 (Lo-16bits)                                         |
| HR1371           | HOC4:I01 Harm p.u.      | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1372           |                         |        |        | HR1371 (Lo-16bits)                                         |
| HR1373           | HOC4:I01 Harm per       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1374           |                         |        |        | HR1373 (Lo-16bits)                                         |
| HR1375           | HOC4:I02 Harm p.u.      | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1376           |                         |        |        | HR1375 (Lo-16bits)                                         |
| HR1377           | HOC4:I02 Harm per       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1378           |                         |        |        | HR1377 (Lo-16bits)                                         |
| HR1379           | CLP1:CLP condition      | R      | 1      | 0=Normal;1=Curr low;2=Overcurrent On;3=CLPU On;4=CLPU b    |
| HR1380           | CBF1:CBFP condition     | R      | 1      | 0=Normal;1=Start;2=ReTrip;3=CBFP On;4=Blocked              |
| HR1381           | TRF1:Transformer is now | R      | 1      | 0=No/LightLoad;1=Energizing;2=Normal load;3=Overloaded;4=C |

| Holding Register | Parameter                           | Access | Length |                                                                |
|------------------|-------------------------------------|--------|--------|----------------------------------------------------------------|
| HR1382           | DIF1:Idx> condition                 | R      | 2      | 0b=Idb> Trip;1b=Idb> Blocked;2b=Idi> Trip;3b=Idi> Blocked;4b=2 |
| HR1383           |                                     |        |        | HR1382 (Lo-16bits)                                             |
| HR1384           | DIF1:L1 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1385           | DIF1:L2 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1386           | DIF1:L3 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1387           | REF1:I0d> condition                 | R      | 1      | 0=Normal;1=Trip;2=Blocked                                      |
| HR1388           | TOLT1:TT> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1389           | TOLT1:Thermal status                | R      | 1      | 0=Light / No load;1=High overload;2=Overloading;3=Load norma   |
| HR1390           | TOLT1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                        |
| HR1391           | TOLT1:Ambient Temp Sel              | RW     | 1      | 0=Manual Set;1=RTD Meas                                        |
| HR1392           | TOLT1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                 |
| HR1393           | TOLF1:TF> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1394           | TOLF1:Thermal status                | R      | 1      | 0=Light / No load;1=High overload;2=Overloading;3=Load norma   |
| HR1395           | TOLF1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                        |
| HR1396           | TOLF1:Ambient Temp Sel              | RW     | 1      | 0=Manual Set;1=RTD Meas                                        |
| HR1397           | TOLF1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                 |
| HR1398           | TOLF1:Set or Estimate tau (t const) | RW     | 1      | 0=Set;1=Estimate                                               |
| HR1399           | MST1:Motor is now                   | R      | 1      | 0=Stopped;1=Starting;2=Running;3=Stalled                       |
| HR1400           | TOLM1:TM> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1401           | TOLM1:Motor status                  | R      | 1      | 0=Stopped;1=Stalled;2=JustStopped;3=Overloading;4=Running      |
| HR1402           | TOLM1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                        |
| HR1403           | TOLM1:NPS Biasing in use            | RW     | 1      | 0=No NPS biasing;1=NPS Biasing in use                          |
| HR1404           | TOLM1:Time constants                | RW     | 1      | 0=Single;1=Multiple                                            |
| HR1405           | TOLM1:Estimate Short TC and timings | RW     | 1      | 0=Set manually;1=Estimate (on-line)                            |
| HR1406           | TOLM1:T const dyn. balancing        | RW     | 1      | 0=Fixed;1=Dynamic                                              |
| HR1407           | TOLM1:Dev.Temp (tmax)               | RW     | 1      | 0=A;1=B;2=F;3=H;4=Manual set                                   |
| HR1408           | TOLM1:Amb. T Selection              | RW     | 1      | 0=Manual set;1=RTD                                             |
| HR1409           | TOLM1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                 |
| HR1410           | LCR1:IS> condition                  | R      | 1      | 0=Normal;1=Start; 2=Set time Trip;3=M cap Trip;4=Blocked       |

| Holding Register | Parameter                     | Access | Length |                                                      |
|------------------|-------------------------------|--------|--------|------------------------------------------------------|
| HR1411           | FSP1:N> condition             | R      | 1      | 0=Normal;1=Alarm On;2=Inhibits;3=Blocked             |
| HR1412           | NUC1:I< condition             | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                  |
| HR1413           | MJP1:Im> condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                  |
| HR1414           | OV1:U> condition              | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1415           | OV2:U>> condition             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1416           | OV3:U>>> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1417           | OV4:U>>>> condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1418           | UV1:U< condition              | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On |
| HR1419           | UV2:U<< condition             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On |
| HR1420           | UV3:U<<< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On |
| HR1421           | UV4:U<<<< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On |
| HR1422           | NOV1:U0> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1423           | NOV1:U0> Measuring now        | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input        |
| HR1424           | NOV2:U0>> condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1425           | NOV2:U0>> Measuring now       | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input        |
| HR1426           | NOV3:U0>>> condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1427           | NOV3:U0>>> Measuring now      | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input        |
| HR1428           | NOV4:U0>>>> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1429           | NOV4:U0>>>> Measuring now     | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input        |
| HR1430           | VUB1:U1/2 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1431           | VUB2:U1/2 >>/<< condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1432           | VUB3:U1/2 >>>/<<< condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1433           | VUB4:U1/2 >>>>/<<<< condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1434           | FRQC1:f> [Curr] condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1435           | FRQC1:f>> [Curr] condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1436           | FRQC1:f>>> [Curr] condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |
| HR1437           | FRQC1:f>>>> [Curr] condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                    |

| Holding Register | Parameter                    | Access | Length |                                                             |
|------------------|------------------------------|--------|--------|-------------------------------------------------------------|
| HR1438           | FRQC1:f< [Curr] condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1439           | FRQC1:f<< [Curr] condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1440           | FRQC1:f<<< [Curr] condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1441           | FRQC1:f<<<< [Curr] condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1442           | FRQV1:f> condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1443           | FRQV1:f>> condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1444           | FRQV1:f>>> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1445           | FRQV1:f>>>> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1446           | FRQV1:f< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1447           | FRQV1:f<< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1448           | FRQV1:f<<< condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1449           | FRQV1:f<<<< condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1450           | DFT1:df/dt >/< (1) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1451           | DFT1:df/dt >/< (2) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1452           | DFT1:df/dt >/< (3) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1453           | DFT1:df/dt >/< (4) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1454           | DFT1:df/dt >/< (5) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1455           | DFT1:df/dt >/< (6) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1456           | DFT1:df/dt >/< (7) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1457           | DFT1:df/dt >/< (8) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1458           | GST1:Generator is now        | R      | 1      | 0=No/LightLoad;1=Normal load;2=Overloaded;3=On high overloa |
| HR1459           | OPW1:P> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1460           | UPW1:P< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1461           | RPW1:Prev> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1462           | SEF1:U03rd< condition        | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                         |
| HR1463           | SEF1:U03rd< Measuring now    | R      | 1      | 0=No U0 avail!;1=U3 Input;2=U4 Input                        |
| HR1464           | UEX1:Q< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                         |
| HR1465           | UIM1:Z< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                         |
| HR1466           | VOC1:lv> condition           | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                         |

| Holding Register | Parameter                    | Access | Length |                                                              |
|------------------|------------------------------|--------|--------|--------------------------------------------------------------|
| HR1467           | VOC1:Voltage measurement     | R      | 1      | 0=Invalid U1 not avail.;1=Ok                                 |
| HR1468           | VHZ1:V/Hz(1) > condition     | R      | 1      | 0=Normal;1=VHz(1) Blocked;2=VHz(1) Start;3=VHz(1) Alarm;4=   |
| HR1469           | UPF1:PF< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Alarm Start;5=Alarm      |
| HR1470           | ARC1:I/I0 Arc> condition     | R      | 1      | 0b=Z1 Trip;1b=Z1 Blocked;2b=Z2 Trip;3b=Z2 Blocked;4b=Z3 Trip |
| HR1471           | CTS1:CTS1 condition          | R      | 1      | 0=Normal;1=Alarm;2=Blocked                                   |
| HR1472           | CTS2:CTS2 condition          | R      | 1      | 0=Normal;1=Alarm;2=Blocked                                   |
| HR1473           | VTS1:VTS condition           | R      | 1      | 0=Normal;1=Start;2=VTBusfail;3=VTLinefail;4=Blocked          |
| HR1474           | VTS1:Bus voltages            | R      | 1      | 0=Bus dead;1=Bus Live VTS Ok SEQ Ok;2=Bus Live VTS Ok SE     |
| HR1475           | FLX1:Fault locator condition | R      | 1      | 0=Idle;1=Triggered;2=Calc ready                              |
| HR1476           | THD1:THD condition           | R      | 1      | 0=Normal;1=Start;2=Alarm;3=Blocked                           |
| HR1477           | CBW1:CBW condition           | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On                             |
| HR1478           | NJK1:U0> RECL condition      | R      | 1      | 0=Normal;1=Requested;2=Blocked;3=Active;4=BK clo cmd;5=BK    |
| HR1479           | SOF1:SOTF condition          | R      | 1      | 0=Normal;1=Init;2=Active;3=Trip;4=Blocked                    |
| HR1480           | SYN1:SYN1 Condition          | R      | 2      | 0b=SYN1 Blocked;1b=SYN1 Ok;2b=SYN1 Bypass;3b=SYN1 Vco        |
| HR1481           |                              |        |        | HR1480 (Lo-16bits)                                           |
| HR1482           | SYN1:SYN2 Condition          | R      | 2      | 0b=SYN2 Blocked;1b=SYN2 Ok;2b=SYN2 Bypass;3b=SYN2 Vco        |
| HR1483           |                              |        |        | HR1482 (Lo-16bits)                                           |
| HR1484           | SYN1:SYN3 Condition          | R      | 2      | 0b=SYN3 Blocked;1b=SYN3 Ok;2b=SYN3 Bypass;3b=SYN3 Vco        |
| HR1485           |                              |        |        | HR1484 (Lo-16bits)                                           |
| HR1486           | OBJ1:Object1 Breaker Status  | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                         |
| HR1487           | OBJ2:Object2 Breaker Status  | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                         |
| HR1488           | OBJ3:Object3 Breaker Status  | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                         |
| HR1489           | OBJ4:Object4 Breaker Status  | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                         |
| HR1490           | OBJ5:Object5 Breaker Status  | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                         |
| HR1491           | CIN1:Ind.1 Object Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                         |
| HR1492           | CIN2:Ind.2 Object Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                         |
| HR1493           | CIN3:Ind.3 Object Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                         |

| Holding Register | Parameter                             | Access | Length |                                                                                                                               |
|------------------|---------------------------------------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------|
| HR1494           | CIN4:Ind.4 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1495           | CIN5:Ind.5 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1496           | AR1:AR Status                         | R      | 2      | 0b=AR is inhibit;1b=AR is ready;2b=AR is locked;3b=AR is running;4b=AR Requested;14b=AR4 Requested;15b=AR5 Requested;16b=Exec |
| HR1497           |                                       |        |        | HR1496 (Lo-16bits)                                                                                                            |
| HR1498           | AR1:Timer active                      | R      | 1      | 0=-;1=AR Lockout;2=AR Reset Reclaim;3=AR Start Delay;4=AR                                                                     |
| HR1499           | VRG1:Vreg settings condition          | R      | 2      | 0b=U>> set too low;1b=U< set too high;2b=U> set higher than U                                                                 |
| HR1500           |                                       |        |        | HR1499 (Lo-16bits)                                                                                                            |
| HR1501           | VRG1:Vreg condition                   | R      | 2      | 0b=Raise command on;1b=Lower command on;2b=Operation bl                                                                       |
| HR1502           |                                       |        |        | HR1501 (Lo-16bits)                                                                                                            |
| HR1503           | VRG1:Vreg timer active                | R      | 1      | 0=-;1=Fine tune Decrease;2=Fine tune Increase;3=Low set Decre                                                                 |
| HR1504           | VRG1:Voltage meas condition           | R      | 1      | 0=Not configured;1=System U12;2=System U23;3=System U31;                                                                      |
| HR1505           | EMON1:I> (50) Monitor condition       | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1506           | EMON1:I0> (50N) Monitor condition     | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1507           | EMON1:Idir> (67) Monitor condition    | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1508           | EMON1:I0dir> (67N) Monitor condition  | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1509           | EMON1:I0Int> (67NT) Monitor condition | R      | 1      | 0=Normal;1=FLT FW;2=FLT REV                                                                                                   |
| HR1510           | EMON1:U< (27) Monitor condition       | R      | 1      | 0=Normal;1=Undervoltage;2=No voltage                                                                                          |
| HR1511           | EMON1:U0> (59N) Monitor condition     | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1512           | EMON1:FL (21FL) Monitor condition     | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1513           | MEAS1:Meas1 IL ang. Ref               | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                                                                |
| HR1514           |                                       |        |        | HR1513 (Lo-16bits)                                                                                                            |
| HR1515           | DIF1:REFHV> condition                 | R      | 2      | 0b=HV REF Blocked;1b=HV REF Trip (Hi-16bits)                                                                                  |
| HR1516           |                                       |        |        | HR1515 (Lo-16bits)                                                                                                            |
| HR1517           | DIF1:REFLV> condition                 | R      | 2      | 0b=LV REF Blocked;1b=LV REF Trip (Hi-16bits)                                                                                  |
| HR1518           |                                       |        |        | HR1517 (Lo-16bits)                                                                                                            |

| Holding Register | Parameter                  | Access | Length |                                                                     |
|------------------|----------------------------|--------|--------|---------------------------------------------------------------------|
| HR1519           | ALARM:Alarms 1-32          | R      | 2      | 0b=A1;1b=A2;2b=A3;3b=A4;4b=A5;5b=A6;6b=A7;7b=A8;8b=A9               |
| HR1520           |                            |        |        | HR1519 (Lo-16bits)                                                  |
| HR1521           | ALARM:Alarms 33-64         | R      | 2      | 0b=A33;1b=A34;2b=A35;3b=A36;4b=A37;5b=A38;6b=A39;7b=A40 (Hi-16bits) |
| HR1522           |                            |        |        | HR1521 (Lo-16bits)                                                  |
| HR1523           | DIAG:Configuration changed | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)                                 |
| HR1524           |                            |        |        | HR1523 (Lo-16bits)                                                  |
| HR1525           | RTDIN:S1 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                 |
| HR1526           |                            |        |        | HR1525 (Lo-16bits)                                                  |
| HR1527           | RTDIN:S2 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                 |
| HR1528           |                            |        |        | HR1527 (Lo-16bits)                                                  |
| HR1529           | RTDIN:S3 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                 |
| HR1530           |                            |        |        | HR1529 (Lo-16bits)                                                  |
| HR1531           | RTDIN:S4 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                 |
| HR1532           |                            |        |        | HR1531 (Lo-16bits)                                                  |
| HR1533           | RTDIN:S5 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                 |
| HR1534           |                            |        |        | HR1533 (Lo-16bits)                                                  |
| HR1535           | RTDIN:S6 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                 |
| HR1536           |                            |        |        | HR1535 (Lo-16bits)                                                  |
| HR1537           | RTDIN:S7 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                 |
| HR1538           |                            |        |        | HR1537 (Lo-16bits)                                                  |
| HR1539           | RTDIN:S7 Measurement mA    | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)                                  |
| HR1540           |                            |        |        | HR1539 (Lo-16bits)                                                  |
| HR1541           | RTDIN:S8 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                 |
| HR1542           |                            |        |        | HR1541 (Lo-16bits)                                                  |



| Holding Register | Parameter                        | Access | Length |                                     |
|------------------|----------------------------------|--------|--------|-------------------------------------|
| HR1543           | RTDIN:S8 Measurement mA          | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1544           |                                  |        |        | HR1543 (Lo-16bits)                  |
| HR1545           | RTDIN:S9 Measurement(Raw)        | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1546           |                                  |        |        | HR1545 (Lo-16bits)                  |
| HR1547           | RTDIN:S10 Measurement(Raw)       | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1548           |                                  |        |        | HR1547 (Lo-16bits)                  |
| HR1549           | RTDIN:S11 Measurement(Raw)       | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1550           |                                  |        |        | HR1549 (Lo-16bits)                  |
| HR1551           | RTDIN:S12 Measurement(Raw)       | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1552           |                                  |        |        | HR1551 (Lo-16bits)                  |
| HR1553           | RTDIN:S13 Measurement(Raw)       | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1554           |                                  |        |        | HR1553 (Lo-16bits)                  |
| HR1555           | RTDIN:S14 Measurement(Raw)       | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1556           |                                  |        |        | HR1555 (Lo-16bits)                  |
| HR1557           | RTDIN:S15 Measurement(Raw)       | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1558           |                                  |        |        | HR1557 (Lo-16bits)                  |
| HR1559           | RTDIN:S15 Measurement mA         | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1560           |                                  |        |        | HR1559 (Lo-16bits)                  |
| HR1561           | RTDIN:S16 Measurement(Raw)       | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1562           |                                  |        |        | HR1561 (Lo-16bits)                  |
| HR1563           | RTDIN:S16 Measurement mA         | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1564           |                                  |        |        | HR1563 (Lo-16bits)                  |
| HR1565           | RTD1:S1 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1566           |                                  |        |        | HR1565 (Lo-16bits)                  |

| Holding Register | Parameter                         | Access | Length |                                         |
|------------------|-----------------------------------|--------|--------|-----------------------------------------|
| HR1567           | RTD1:S2 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1568           |                                   |        |        | HR1567 (Lo-16bits)                      |
| HR1569           | RTD1:S3 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1570           |                                   |        |        | HR1569 (Lo-16bits)                      |
| HR1571           | RTD1:S4 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1572           |                                   |        |        | HR1571 (Lo-16bits)                      |
| HR1573           | RTD1:S5 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1574           |                                   |        |        | HR1573 (Lo-16bits)                      |
| HR1575           | RTD1:S6 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1576           |                                   |        |        | HR1575 (Lo-16bits)                      |
| HR1577           | RTD1:S7 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1578           |                                   |        |        | HR1577 (Lo-16bits)                      |
| HR1579           | RTD1:S8 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1580           |                                   |        |        | HR1579 (Lo-16bits)                      |
| HR1581           | RTD1:S9 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1582           |                                   |        |        | HR1581 (Lo-16bits)                      |
| HR1583           | RTD1:S10 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1584           |                                   |        |        | HR1583 (Lo-16bits)                      |
| HR1585           | RTD1:S11 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1586           |                                   |        |        | HR1585 (Lo-16bits)                      |
| HR1587           | RTD1:S12 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1588           |                                   |        |        | HR1587 (Lo-16bits)                      |
| HR1589           | RTD1:S1 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1590           |                                   |        |        | HR1589 (Lo-16bits)                      |
| HR1591           | RTD1:S1 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                         |
|------------------|-------------------|--------|--------|-----------------------------------------|
| HR1592           |                   |        |        | HR1591 (Lo-16bits)                      |
| HR1593           | RTD1:S2 ALARM1 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1594           |                   |        |        | HR1593 (Lo-16bits)                      |
| HR1595           | RTD1:S2 ALARM2 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1596           |                   |        |        | HR1595 (Lo-16bits)                      |
| HR1597           | RTD1:S3 ALARM1 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1598           |                   |        |        | HR1597 (Lo-16bits)                      |
| HR1599           | RTD1:S3 ALARM2 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1600           |                   |        |        | HR1599 (Lo-16bits)                      |
| HR1601           | RTD1:S4 ALARM1 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1602           |                   |        |        | HR1601 (Lo-16bits)                      |
| HR1603           | RTD1:S4 ALARM2 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1604           |                   |        |        | HR1603 (Lo-16bits)                      |
| HR1605           | RTD1:S5 ALARM1 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1606           |                   |        |        | HR1605 (Lo-16bits)                      |
| HR1607           | RTD1:S5 ALARM2 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1608           |                   |        |        | HR1607 (Lo-16bits)                      |
| HR1609           | RTD1:S6 ALARM1 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1610           |                   |        |        | HR1609 (Lo-16bits)                      |
| HR1611           | RTD1:S6 ALARM2 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1612           |                   |        |        | HR1611 (Lo-16bits)                      |
| HR1613           | RTD1:S7 ALARM1 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1614           |                   |        |        | HR1613 (Lo-16bits)                      |
| HR1615           | RTD1:S7 ALARM2 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1616           |                   |        |        | HR1615 (Lo-16bits)                      |
| HR1617           | RTD1:S8 ALARM1 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1618           |                   |        |        | HR1617 (Lo-16bits)                      |
| HR1619           | RTD1:S8 ALARM2 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1620           |                   |        |        | HR1619 (Lo-16bits)                      |
| HR1621           | RTD1:S9 ALARM1 ON | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                                                                    |
|------------------|--------------------------|--------|--------|--------------------------------------------------------------------|
| HR1622           |                          |        |        | HR1621 (Lo-16bits)                                                 |
| HR1623           | RTD1:S9 ALARM2 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1624           |                          |        |        | HR1623 (Lo-16bits)                                                 |
| HR1625           | RTD1:S10 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1626           |                          |        |        | HR1625 (Lo-16bits)                                                 |
| HR1627           | RTD1:S10 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1628           |                          |        |        | HR1627 (Lo-16bits)                                                 |
| HR1629           | RTD1:S11 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1630           |                          |        |        | HR1629 (Lo-16bits)                                                 |
| HR1631           | RTD1:S11 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1632           |                          |        |        | HR1631 (Lo-16bits)                                                 |
| HR1633           | RTD1:S12 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1634           |                          |        |        | HR1633 (Lo-16bits)                                                 |
| HR1635           | VHZ1:V/Hz(2) > condition | R      | 1      | 0=Normal;1=VHz(2) Start;2=VHz(2) Alarm;3=VHz(2) Trip;4=VHz(2) Trip |
| HR1636           | RTD1:S12 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1637           |                          |        |        | HR1636 (Lo-16bits)                                                 |
| HR1638           | UIM2:Z<< condition       | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                                |
| HR1639           | RTD1:S1 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1640           |                          |        |        | HR1639 (Lo-16bits)                                                 |
| HR1641           | RTD1:S2 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1642           |                          |        |        | HR1641 (Lo-16bits)                                                 |
| HR1643           | RTD1:S3 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1644           |                          |        |        | HR1643 (Lo-16bits)                                                 |
| HR1645           | RTD1:S4 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1646           |                          |        |        | HR1645 (Lo-16bits)                                                 |
| HR1647           | RTD1:S5 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1648           |                          |        |        | HR1647 (Lo-16bits)                                                 |
| HR1649           | RTD1:S6 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1650           |                          |        |        | HR1649 (Lo-16bits)                                                 |
| HR1651           | RTD1:S7 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |

| Holding Register | Parameter                  | Access | Length |                                         |
|------------------|----------------------------|--------|--------|-----------------------------------------|
| HR1652           |                            |        |        | HR1651 (Lo-16bits)                      |
| HR1653           | RTD1:S8 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1654           |                            |        |        | HR1653 (Lo-16bits)                      |
| HR1655           | RTD1:S9 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1656           |                            |        |        | HR1655 (Lo-16bits)                      |
| HR1657           | RTD1:S10 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1658           |                            |        |        | HR1657 (Lo-16bits)                      |
| HR1659           | RTD1:S11 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1660           |                            |        |        | HR1659 (Lo-16bits)                      |
| HR1661           | RTD1:S12 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1662           |                            |        |        | HR1661 (Lo-16bits)                      |
| HR1663           | MBIO:MBIO ModA Ch1 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1664           |                            |        |        | HR1663 (Lo-16bits)                      |
| HR1665           | MBIO:MBIO ModA Ch2 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1666           |                            |        |        | HR1665 (Lo-16bits)                      |
| HR1667           | MBIO:MBIO ModA Ch3 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1668           |                            |        |        | HR1667 (Lo-16bits)                      |
| HR1669           | MBIO:MBIO ModA Ch4 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1670           |                            |        |        | HR1669 (Lo-16bits)                      |
| HR1671           | MBIO:MBIO ModA Ch5 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1672           |                            |        |        | HR1671 (Lo-16bits)                      |
| HR1673           | MBIO:MBIO ModA Ch6 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1674           |                            |        |        | HR1673 (Lo-16bits)                      |
| HR1675           | MBIO:MBIO ModA Ch7 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1676           |                            |        |        | HR1675 (Lo-16bits)                      |
| HR1677           | MBIO:MBIO ModA Ch8 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                  | Access | Length |                                         |
|------------------|----------------------------|--------|--------|-----------------------------------------|
| HR1678           |                            |        |        | HR1677 (Lo-16bits)                      |
| HR1679           | MBIO:MBIO ModB Ch1 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1680           |                            |        |        | HR1679 (Lo-16bits)                      |
| HR1681           | MBIO:MBIO ModB Ch2 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1682           |                            |        |        | HR1681 (Lo-16bits)                      |
| HR1683           | MBIO:MBIO ModB Ch3 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1684           |                            |        |        | HR1683 (Lo-16bits)                      |
| HR1685           | MBIO:MBIO ModB Ch4 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1686           |                            |        |        | HR1685 (Lo-16bits)                      |
| HR1687           | MBIO:MBIO ModB Ch5 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1688           |                            |        |        | HR1687 (Lo-16bits)                      |
| HR1689           | MBIO:MBIO ModB Ch6 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1690           |                            |        |        | HR1689 (Lo-16bits)                      |
| HR1691           | MBIO:MBIO ModB Ch7 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1692           |                            |        |        | HR1691 (Lo-16bits)                      |
| HR1693           | MBIO:MBIO ModB Ch8 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1694           |                            |        |        | HR1693 (Lo-16bits)                      |
| HR1695           | MBIO:MBIO ModC Ch1 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1696           |                            |        |        | HR1695 (Lo-16bits)                      |
| HR1697           | MBIO:MBIO ModC Ch2 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1698           |                            |        |        | HR1697 (Lo-16bits)                      |
| HR1699           | MBIO:MBIO ModC Ch3 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1700           |                            |        |        | HR1699 (Lo-16bits)                      |
| HR1701           | MBIO:MBIO ModC Ch4 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                             | Access | Length |                                         |
|------------------|---------------------------------------|--------|--------|-----------------------------------------|
| HR1702           |                                       |        |        | HR1701 (Lo-16bits)                      |
| HR1703           | MBIO:MBIO ModC Ch5 Invalid            | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1704           |                                       |        |        | HR1703 (Lo-16bits)                      |
| HR1705           | MBIO:MBIO ModC Ch6 Invalid            | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1706           |                                       |        |        | HR1705 (Lo-16bits)                      |
| HR1707           | MBIO:MBIO ModC Ch7 Invalid            | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1708           |                                       |        |        | HR1707 (Lo-16bits)                      |
| HR1709           | MBIO:MBIO ModC Ch8 Invalid            | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1710           |                                       |        |        | HR1709 (Lo-16bits)                      |
| HR1711           | OBJ6:Object6 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1712           | OBJ7:Object7 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1713           | OBJ8:Object8 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1714           | OBJ9:Object9 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1715           | OBJ10:Object10 Breaker Status         | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1716           | VRG1:Voltage now                      | R      | 2      | FLOAT [0...140] (Hi-16bits)             |
| HR1717           |                                       |        |        | HR1716 (Lo-16bits)                      |
| HR1718           | VRG1:Voltage difference to set target | R      | 2      | FLOAT [-140...140] (Hi-16bits)          |
| HR1719           |                                       |        |        | HR1718 (Lo-16bits)                      |
| HR1720           | VRG1:Tap location now (- 0 +)         | R      | 2      | FLOAT [-30...30] (Hi-16bits)            |
| HR1721           |                                       |        |        | HR1720 (Lo-16bits)                      |
| HR1722           | VRG1:Absolute tap location            | R      | 2      | FLOAT [0...50] (Hi-16bits)              |
| HR1723           |                                       |        |        | HR1722 (Lo-16bits)                      |
| HR1724           | VRG1:Control mode                     | R      | 1      | 0=Auto;1=Manual (loc&rem)               |
| HR1725           | VRG1:Remote tap control input         | RW     | 1      | 0=Stop;1=Lower;2=Higher                 |

| Holding Register | Parameter                       | Access | Length |                                          |
|------------------|---------------------------------|--------|--------|------------------------------------------|
| HR1726           | VJP1:<DELTA><alpha> > condition | R      | 1      | 0=Normal;1=Blocked;2=Trip;3=Alarm        |
| HR1727           | LOGIC1:Logic out 1-32           | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits)      |
| HR1728           |                                 |        |        | HR1727 (Lo-16bits)                       |
| HR1729           | PGS1:PS1 >/< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1730           | VJP1:Voltage meas selected      | R      | 1      | 0=Selection Ok;1=Selection not available |
| HR1731           | PGS1:PS2 >/< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1732           | PGS1:PS3 >/< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1733           | PGS1:PS4 >/< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1734           | PGS1:PS5 >/< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1735           | PGS1:PS6 >/< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1736           | PGS1:PS7 >/< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1737           | PGS1:PS8 >/< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1738           | PGS1:PS9 >/< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1739           | PGS1:PS10 >/< condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1740           | ASC1:Curve1 Input               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1741           |                                 |        |        | HR1740 (Lo-16bits)                       |
| HR1742           | ASC1:Curve1 Output              | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1743           |                                 |        |        | HR1742 (Lo-16bits)                       |
| HR1744           | ASC1:Curve2 Input               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1745           |                                 |        |        | HR1744 (Lo-16bits)                       |
| HR1746           | ASC1:Curve2 Output              | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1747           |                                 |        |        | HR1746 (Lo-16bits)                       |
| HR1748           | ASC1:Curve3 Input               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1749           |                                 |        |        | HR1748 (Lo-16bits)                       |
| HR1750           | ASC1:Curve3 Output              | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1751           |                                 |        |        | HR1750 (Lo-16bits)                       |
| HR1752           | ASC1:Curve4 Input               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1753           |                                 |        |        | HR1752 (Lo-16bits)                       |
| HR1754           | ASC1:Curve4 Output              | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |



| Holding Register | Parameter                            | Access | Length |                                         |
|------------------|--------------------------------------|--------|--------|-----------------------------------------|
| HR1755           |                                      |        |        | HR1754 (Lo-16bits)                      |
| HR1756           | PCS1:PCS1 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1757           |                                      |        |        | HR1756 (Lo-16bits)                      |
| HR1758           | PCS2:PCS2 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1759           |                                      |        |        | HR1758 (Lo-16bits)                      |
| HR1760           | PCS3:PCS3 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1761           |                                      |        |        | HR1760 (Lo-16bits)                      |
| HR1762           | PCS4:PCS4 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1763           |                                      |        |        | HR1762 (Lo-16bits)                      |
| HR1764           | PCS5:PCS5 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1765           |                                      |        |        | HR1764 (Lo-16bits)                      |
| HR1766           | AR1:Auto-recloser [79]<br>Mode       | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1767           | CTRL:Local/Remote status             | R      | 1      | 0=Remote;1=Local                        |
| HR1768           | RTD1:S13 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1769           |                                      |        |        | HR1768 (Lo-16bits)                      |
| HR1770           | RTD1:S14 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1771           |                                      |        |        | HR1770 (Lo-16bits)                      |
| HR1772           | RTD1:S15 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1773           |                                      |        |        | HR1772 (Lo-16bits)                      |
| HR1774           | RTD1:S16 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1775           |                                      |        |        | HR1774 (Lo-16bits)                      |
| HR1776           | RTD1:S13 ALARM1 ON                   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1777           |                                      |        |        | HR1776 (Lo-16bits)                      |
| HR1778           | RTD1:S13 ALARM2 ON                   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1779           |                                      |        |        | HR1778 (Lo-16bits)                      |
| HR1780           | RTD1:S13 MEAS INVALID                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1781           |                                      |        |        | HR1780 (Lo-16bits)                      |
| HR1782           | RTD1:S14 ALARM1 ON                   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                                | Access | Length |                                         |
|------------------|------------------------------------------|--------|--------|-----------------------------------------|
| HR1783           |                                          |        |        | HR1782 (Lo-16bits)                      |
| HR1784           | RTD1:S14 ALARM2 ON                       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1785           |                                          |        |        | HR1784 (Lo-16bits)                      |
| HR1786           | RTD1:S14 MEAS INVALID                    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1787           |                                          |        |        | HR1786 (Lo-16bits)                      |
| HR1788           | RTD1:S15 ALARM1 ON                       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1789           |                                          |        |        | HR1788 (Lo-16bits)                      |
| HR1790           | RTD1:S15 ALARM2 ON                       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1791           |                                          |        |        | HR1790 (Lo-16bits)                      |
| HR1792           | RTD1:S15 MEAS INVALID                    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1793           |                                          |        |        | HR1792 (Lo-16bits)                      |
| HR1794           | RTD1:S16 ALARM1 ON                       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1795           |                                          |        |        | HR1794 (Lo-16bits)                      |
| HR1796           | RTD1:S16 ALARM2 ON                       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1797           |                                          |        |        | HR1796 (Lo-16bits)                      |
| HR1798           | RTD1:S16 MEAS INVALID                    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1799           |                                          |        |        | HR1798 (Lo-16bits)                      |
| HR1800           | GSYN:Synchronizer mode                   | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1801           | GSYN:Magnitude difference                | R      | 2      | FLOAT [-200...200] (Hi-16bits)          |
| HR1802           |                                          |        |        | HR1801 (Lo-16bits)                      |
| HR1803           | GSYN:Frequency difference                | R      | 2      | FLOAT [-100...100] (Hi-16bits)          |
| HR1804           |                                          |        |        | HR1803 (Lo-16bits)                      |
| HR1805           | GSYN:Angle difference                    | R      | 2      | FLOAT [-360...360] (Hi-16bits)          |
| HR1806           |                                          |        |        | HR1805 (Lo-16bits)                      |
| HR1807           | GSYN:Magnitude difference on closing BRK | R      | 2      | FLOAT [-200...200] (Hi-16bits)          |
| HR1808           |                                          |        |        | HR1807 (Lo-16bits)                      |
| HR1809           | GSYN:Frequency difference on closing BRK | R      | 2      | FLOAT [-100...100] (Hi-16bits)          |
| HR1810           |                                          |        |        | HR1809 (Lo-16bits)                      |

| Holding Register | Parameter                              | Access | Length |                                         |
|------------------|----------------------------------------|--------|--------|-----------------------------------------|
| HR1811           | GSYN:Angle difference on closing BRK   | R      | 2      | FLOAT [-360...360] (Hi-16bits)          |
| HR1812           |                                        |        |        | HR1811 (Lo-16bits)                      |
| HR1813           | GSYN:Synchronizing time left           | R      | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR1814           |                                        |        |        | HR1813 (Lo-16bits)                      |
| HR1815           | GSYN:Magnitude difference fine tune    | RW     | 2      | FLOAT [-200...200] (Hi-16bits)          |
| HR1816           |                                        |        |        | HR1815 (Lo-16bits)                      |
| HR1817           | GSYN:Frequency difference fine tune    | RW     | 2      | FLOAT [-100...100] (Hi-16bits)          |
| HR1818           |                                        |        |        | HR1817 (Lo-16bits)                      |
| HR1819           | GSYN:Angle difference fine tune        | RW     | 2      | FLOAT [-360...360] (Hi-16bits)          |
| HR1820           |                                        |        |        | HR1819 (Lo-16bits)                      |
| HR1821           | GSYN:Start Synchronizer                | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR1822           |                                        |        |        | HR1821 (Lo-16bits)                      |
| HR1823           | GSYN:Stop Synchronizer                 | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR1824           |                                        |        |        | HR1823 (Lo-16bits)                      |
| HR1825           | GSYN:Block and Interrupt Synchronizing | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR1826           |                                        |        |        | HR1825 (Lo-16bits)                      |
| HR1827           | GSYN:Breaker Closed                    | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR1828           |                                        |        |        | HR1827 (Lo-16bits)                      |
| HR1829           | GSYN:GSYN Voltage Mag.Difference Ok    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1830           |                                        |        |        | HR1829 (Lo-16bits)                      |
| HR1831           | GSYN:GSYN Voltage Freq.Difference Ok   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1832           |                                        |        |        | HR1831 (Lo-16bits)                      |
| HR1833           | GSYN:GSYN Voltage Ang.Difference Ok    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1834           |                                        |        |        | HR1833 (Lo-16bits)                      |
| HR1835           | GSYN:GSYN Blocked                      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1836           |                                        |        |        | HR1835 (Lo-16bits)                      |

| Holding Register | Parameter                                                         | Access | Length |                                         |
|------------------|-------------------------------------------------------------------|--------|--------|-----------------------------------------|
| HR1837           | GSYN:GSYN Running                                                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1838           |                                                                   |        |        | HR1837 (Lo-16bits)                      |
| HR1839           | GSYN:GSYN Increase Voltage                                        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1840           |                                                                   |        |        | HR1839 (Lo-16bits)                      |
| HR1841           | GSYN:GSYN Decrease Voltage                                        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1842           |                                                                   |        |        | HR1841 (Lo-16bits)                      |
| HR1843           | GSYN:GSYN Increase Frequency                                      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1844           |                                                                   |        |        | HR1843 (Lo-16bits)                      |
| HR1845           | GSYN:GSYN Decrease Frequency                                      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1846           |                                                                   |        |        | HR1845 (Lo-16bits)                      |
| HR1847           | GSYN:GSYN Breaker Close Pulse                                     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1848           |                                                                   |        |        | HR1847 (Lo-16bits)                      |
| HR1849           | GSYN:GSYN Long Sync Time                                          | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1850           |                                                                   |        |        | HR1849 (Lo-16bits)                      |
| HR1851           | VREC:Measurement value recorder mode                              | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1852           | VREC:Scale current values to primary                              | RW     | 1      | 0=No;1=Yes                              |
| HR1853           | VREC:Record fault types (Overcurrent & Voltage Over/Under) faults | RW     | 1      | 0=No;1=Yes                              |
| HR1854           | VREC:Trigger register to memory                                   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR1855           |                                                                   |        |        | HR1854 (Lo-16bits)                      |
| HR1856           | VREC:VREC Magnitude 1                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR1857           |                                                                   |        |        | HR1856 (Lo-16bits)                      |
| HR1858           | VREC:VREC Magnitude 2                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR1859           |                                                                   |        |        | HR1858 (Lo-16bits)                      |
| HR1860           | VREC:VREC Magnitude 3                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR1861           |                                                                   |        |        | HR1860 (Lo-16bits)                      |

| Holding Register | Parameter                           | Access | Length |                                          |
|------------------|-------------------------------------|--------|--------|------------------------------------------|
| HR1862           | VREC:VREC Magnitude 4               | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1863           |                                     |        |        | HR1862 (Lo-16bits)                       |
| HR1864           | VREC:VREC Magnitude 5               | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1865           |                                     |        |        | HR1864 (Lo-16bits)                       |
| HR1866           | VREC:VREC Magnitude 6               | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1867           |                                     |        |        | HR1866 (Lo-16bits)                       |
| HR1868           | VREC:VREC Magnitude 7               | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1869           |                                     |        |        | HR1868 (Lo-16bits)                       |
| HR1870           | VREC:VREC Magnitude 8               | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1871           |                                     |        |        | HR1870 (Lo-16bits)                       |
| HR1872           | RTB:Measurement value recorder mode | RW     | 1      | 0=Disabled;1=Activated                   |
| HR1873           | RTB:Scale current values to primary | RW     | 1      | 0=No;1=Yes                               |
| HR1874           | RTB:RTS to bus Magnitude 1          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1875           |                                     |        |        | HR1874 (Lo-16bits)                       |
| HR1876           | RTB:RTS to bus Magnitude 2          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1877           |                                     |        |        | HR1876 (Lo-16bits)                       |
| HR1878           | RTB:RTS to bus Magnitude 3          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1879           |                                     |        |        | HR1878 (Lo-16bits)                       |
| HR1880           | RTB:RTS to bus Magnitude 4          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1881           |                                     |        |        | HR1880 (Lo-16bits)                       |
| HR1882           | RTB:RTS to bus Magnitude 5          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1883           |                                     |        |        | HR1882 (Lo-16bits)                       |
| HR1884           | RTB:RTS to bus Magnitude 6          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1885           |                                     |        |        | HR1884 (Lo-16bits)                       |
| HR1886           | RTB:RTS to bus Magnitude 7          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1887           |                                     |        |        | HR1886 (Lo-16bits)                       |

| Holding Register | Parameter                                    | Access | Length |                                          |
|------------------|----------------------------------------------|--------|--------|------------------------------------------|
| HR1888           | RTB:RTS to bus Magnitude<br>8                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1889           |                                              |        |        | HR1888 (Lo-16bits)                       |
| HR1890           | AOUT:mA In Channel 1                         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1891           |                                              |        |        | HR1890 (Lo-16bits)                       |
| HR1892           | AOUT:mA In Channel 2                         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1893           |                                              |        |        | HR1892 (Lo-16bits)                       |
| HR1894           | AOUT:mA Out Channel 1<br>Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1895           |                                              |        |        | HR1894 (Lo-16bits)                       |
| HR1896           | AOUT:mA Out Channel 1<br>Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1897           |                                              |        |        | HR1896 (Lo-16bits)                       |
| HR1898           | AOUT:mA Out Channel 2<br>Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1899           |                                              |        |        | HR1898 (Lo-16bits)                       |
| HR1900           | AOUT:mA Out Channel 2<br>Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1901           |                                              |        |        | HR1900 (Lo-16bits)                       |
| HR1902           | AOUT:mA Out Channel 3<br>Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1903           |                                              |        |        | HR1902 (Lo-16bits)                       |
| HR1904           | AOUT:mA Out Channel 3<br>Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1905           |                                              |        |        | HR1904 (Lo-16bits)                       |
| HR1906           | AOUT:mA Out Channel 4<br>Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1907           |                                              |        |        | HR1906 (Lo-16bits)                       |
| HR1908           | AOUT:mA Out Channel 4<br>Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1909           |                                              |        |        | HR1908 (Lo-16bits)                       |
| HR1910           | AOUT:mA Out Channel 5<br>Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1911           |                                              |        |        | HR1910 (Lo-16bits)                       |
| HR1912           | AOUT:mA Out Channel 5<br>Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |

| Holding Register | Parameter                                    | Access | Length |                                          |
|------------------|----------------------------------------------|--------|--------|------------------------------------------|
| HR1913           |                                              |        |        | HR1912 (Lo-16bits)                       |
| HR1914           | AOUT:mA Out Channel 6<br>Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1915           |                                              |        |        | HR1914 (Lo-16bits)                       |
| HR1916           | AOUT:mA Out Channel 6<br>Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1917           |                                              |        |        | HR1916 (Lo-16bits)                       |
| HR1918           | AOUT:mA Out Channel 7<br>Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1919           |                                              |        |        | HR1918 (Lo-16bits)                       |
| HR1920           | AOUT:mA Out Channel 7<br>Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1921           |                                              |        |        | HR1920 (Lo-16bits)                       |
| HR1922           | AOUT:mA Out Channel 8<br>Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1923           |                                              |        |        | HR1922 (Lo-16bits)                       |
| HR1924           | AOUT:mA Out Channel 8<br>Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1925           |                                              |        |        | HR1924 (Lo-16bits)                       |
| HR1926           | RTDIN:S1 Resistance                          | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |
| HR1927           |                                              |        |        | HR1926 (Lo-16bits)                       |
| HR1928           | RTDIN:S2 Resistance                          | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |
| HR1929           |                                              |        |        | HR1928 (Lo-16bits)                       |
| HR1930           | RTDIN:S3 Resistance                          | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |
| HR1931           |                                              |        |        | HR1930 (Lo-16bits)                       |
| HR1932           | RTDIN:S4 Resistance                          | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |
| HR1933           |                                              |        |        | HR1932 (Lo-16bits)                       |
| HR1934           | RTDIN:S5 Resistance                          | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |
| HR1935           |                                              |        |        | HR1934 (Lo-16bits)                       |
| HR1936           | RTDIN:S6 Resistance                          | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |
| HR1937           |                                              |        |        | HR1936 (Lo-16bits)                       |
| HR1938           | RTDIN:S7 Resistance                          | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |
| HR1939           |                                              |        |        | HR1938 (Lo-16bits)                       |

| Holding Register | Parameter                       | Access | Length |                                  |
|------------------|---------------------------------|--------|--------|----------------------------------|
| HR1940           | RTDIN:S8 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1941           |                                 |        |        | HR1940 (Lo-16bits)               |
| HR1942           | RTDIN:S9 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1943           |                                 |        |        | HR1942 (Lo-16bits)               |
| HR1944           | RTDIN:S10 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1945           |                                 |        |        | HR1944 (Lo-16bits)               |
| HR1946           | RTDIN:S11 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1947           |                                 |        |        | HR1946 (Lo-16bits)               |
| HR1948           | RTDIN:S12 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1949           |                                 |        |        | HR1948 (Lo-16bits)               |
| HR1950           | RTDIN:S13 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1951           |                                 |        |        | HR1950 (Lo-16bits)               |
| HR1952           | RTDIN:S14 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1953           |                                 |        |        | HR1952 (Lo-16bits)               |
| HR1954           | RTDIN:S15 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1955           |                                 |        |        | HR1954 (Lo-16bits)               |
| HR1956           | RTDIN:S16 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1957           |                                 |        |        | HR1956 (Lo-16bits)               |
| HR1958           | GSYN:Estimated BRK Closing time | R      | 2      | FLOAT [0...360] (Hi-16bits)      |
| HR1959           |                                 |        |        | HR1958 (Lo-16bits)               |
| HR1960           | GSYN:Networks rotating time     | R      | 2      | FLOAT [0...360] (Hi-16bits)      |
| HR1961           |                                 |        |        | HR1960 (Lo-16bits)               |
| HR1962           | GSYN:Networks placement atm     | R      | 2      | FLOAT [-360...360] (Hi-16bits)   |
| HR1963           |                                 |        |        | HR1962 (Lo-16bits)               |
| HR1964           | SYN1:Estimated BRK Closing time | R      | 2      | FLOAT [0...360] (Hi-16bits)      |
| HR1965           |                                 |        |        | HR1964 (Lo-16bits)               |
| HR1966           | SYN1:Networks rotating time     | R      | 2      | FLOAT [0...360] (Hi-16bits)      |
| HR1967           |                                 |        |        | HR1966 (Lo-16bits)               |



| Holding Register | Parameter                           | Access | Length |                                                       |
|------------------|-------------------------------------|--------|--------|-------------------------------------------------------|
| HR1968           | SYN1:Networks placement atm         | R      | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR1969           |                                     |        |        | HR1968 (Lo-16bits)                                    |
| HR1970           | RTDIN:S1 Sensor                     | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1971           | RTDIN:S2 Sensor                     | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1972           | RTDIN:S3 Sensor                     | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1973           | RTDIN:S4 Sensor                     | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1974           | RTDIN:S5 Sensor                     | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1975           | RTDIN:S6 Sensor                     | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1976           | RTDIN:S7 Sensor                     | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1977           | RTDIN:S8 Sensor                     | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1978           | RTDIN:S9 Sensor                     | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1979           | RTDIN:S10 Sensor                    | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1980           | RTDIN:S11 Sensor                    | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1981           | RTDIN:S12 Sensor                    | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1982           | RTDIN:S13 Sensor                    | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1983           | RTDIN:S14 Sensor                    | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1984           | RTDIN:S15 Sensor                    | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1985           | RTDIN:S16 Sensor                    | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1986           | RHC1:Counter is now                 | R      | 1      | 0=Idle;1=Counting                                     |
| HR1987           | RHC1:Running hours                  | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits)                   |
| HR1988           |                                     |        |        | HR1987 (Lo-16bits)                                    |
| HR1989           | NOC1: > Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                            |
| HR1990           | NOC1: > Last fault type             | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C       |
| HR1991           | NOC1: > Last fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                       |
| HR1992           |                                     |        |        | HR1991 (Lo-16bits)                                    |
| HR1993           | NOC1: > Last fault IB current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                       |
| HR1994           |                                     |        |        | HR1993 (Lo-16bits)                                    |
| HR1995           | NOC1: > Last fault IC current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                       |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR1996           |                                              |        |        | HR1995 (Lo-16bits)                                          |
| HR1997           | NOC1:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR1998           |                                              |        |        | HR1997 (Lo-16bits)                                          |
| HR1999           | NOC1:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2000           | NOC1:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2001           |                                              |        |        | HR2000 (Lo-16bits)                                          |
| HR2002           | NOC1:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2003           | NOC1:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2004           | NOC1:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2005           | NOC1:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2006           | NOC1:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2007           |                                              |        |        | HR2006 (Lo-16bits)                                          |
| HR2008           | NOC1:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2009           |                                              |        |        | HR2008 (Lo-16bits)                                          |
| HR2010           | NOC1:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2011           |                                              |        |        | HR2010 (Lo-16bits)                                          |
| HR2012           | NOC1:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2013           |                                              |        |        | HR2012 (Lo-16bits)                                          |
| HR2014           | NOC1:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2015           | NOC1:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2016           | NOC2:I>> Last fault end with                 | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2017           | NOC2:I>> Last fault type                     | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C             |
| HR2018           | NOC2:I>> Last fault IA current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2019           |                                              |        |        | HR2018 (Lo-16bits)                                          |
| HR2020           | NOC2:I>> Last fault IB current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2021           |                                              |        |        | HR2020 (Lo-16bits)                                          |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2022           | NOC2:I>>> Last fault IC current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2023           |                                              |        |        | HR2022 (Lo-16bits)                                          |
| HR2024           | NOC2:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2025           |                                              |        |        | HR2024 (Lo-16bits)                                          |
| HR2026           | NOC2:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2027           | NOC2:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2028           |                                              |        |        | HR2027 (Lo-16bits)                                          |
| HR2029           | NOC2:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2030           | NOC2:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2031           | NOC2:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2032           | NOC2:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2033           | NOC2:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2034           |                                              |        |        | HR2033 (Lo-16bits)                                          |
| HR2035           | NOC2:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2036           |                                              |        |        | HR2035 (Lo-16bits)                                          |
| HR2037           | NOC2:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2038           |                                              |        |        | HR2037 (Lo-16bits)                                          |
| HR2039           | NOC2:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2040           |                                              |        |        | HR2039 (Lo-16bits)                                          |
| HR2041           | NOC2:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2042           | NOC2:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2043           | NOC3:I>>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2044           | NOC3:I>>>> Last fault type                   | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C             |
| HR2045           | NOC3:I>>>> Last fault IA current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2046           |                                              |        |        | HR2045 (Lo-16bits)                                          |
| HR2047           | NOC3:I>>>> Last fault IB current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2048           |                                              |        |        | HR2047 (Lo-16bits)                                          |
| HR2049           | NOC3:I>>> Last fault IC current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2050           |                                              |        |        | HR2049 (Lo-16bits)                                          |
| HR2051           | NOC3:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2052           |                                              |        |        | HR2051 (Lo-16bits)                                          |
| HR2053           | NOC3:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2054           | NOC3:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2055           |                                              |        |        | HR2054 (Lo-16bits)                                          |
| HR2056           | NOC3:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2057           | NOC3:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2058           | NOC3:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2059           | NOC3:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2060           | NOC3:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2061           |                                              |        |        | HR2060 (Lo-16bits)                                          |
| HR2062           | NOC3:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2063           |                                              |        |        | HR2062 (Lo-16bits)                                          |
| HR2064           | NOC3:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2065           |                                              |        |        | HR2064 (Lo-16bits)                                          |
| HR2066           | NOC3:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2067           |                                              |        |        | HR2066 (Lo-16bits)                                          |
| HR2068           | NOC3:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2069           | NOC3:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2070           | NOC4:I>>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2071           | NOC4:I>>>> Last fault type                   | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C             |
| HR2072           | NOC4:I>>>> Last fault IA current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2073           |                                              |        |        | HR2072 (Lo-16bits)                                          |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2074           | NOC4: >>>> Last fault IB current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2075           |                                              |        |        | HR2074 (Lo-16bits)                                          |
| HR2076           | NOC4: >>>> Last fault IC current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2077           |                                              |        |        | HR2076 (Lo-16bits)                                          |
| HR2078           | NOC4:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2079           |                                              |        |        | HR2078 (Lo-16bits)                                          |
| HR2080           | NOC4:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2081           | NOC4:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2082           |                                              |        |        | HR2081 (Lo-16bits)                                          |
| HR2083           | NOC4:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2084           | NOC4:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2085           | NOC4:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2086           | NOC4:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2087           | NOC4:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2088           |                                              |        |        | HR2087 (Lo-16bits)                                          |
| HR2089           | NOC4:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2090           |                                              |        |        | HR2089 (Lo-16bits)                                          |
| HR2091           | NOC4:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2092           |                                              |        |        | HR2091 (Lo-16bits)                                          |
| HR2093           | NOC4:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2094           |                                              |        |        | HR2093 (Lo-16bits)                                          |
| HR2095           | NOC4:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2096           | NOC4:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2097           | DOC1: dir> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2098           | DOC1: dir> Last fault type                   | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C             |
| HR2099           | DOC1: dir> Last fault angle                  | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)                        |

| Holding Register | Parameter                                | Access | Length |                                                 |
|------------------|------------------------------------------|--------|--------|-------------------------------------------------|
| HR2100           |                                          |        |        | HR2099 (Lo-16bits)                              |
| HR2101           | DOC1:ldir> Last fault IA current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2102           |                                          |        |        | HR2101 (Lo-16bits)                              |
| HR2103           | DOC1:ldir> Last fault IB current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2104           |                                          |        |        | HR2103 (Lo-16bits)                              |
| HR2105           | DOC1:ldir> Last fault IC current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2106           |                                          |        |        | HR2105 (Lo-16bits)                              |
| HR2107           | DOC2:ldir>> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2108           | DOC2:ldir>> Last fault type              | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR2109           | DOC2:ldir>> Last fault angle             | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR2110           |                                          |        |        | HR2109 (Lo-16bits)                              |
| HR2111           | DOC2:ldir>> Last fault IA current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2112           |                                          |        |        | HR2111 (Lo-16bits)                              |
| HR2113           | DOC2:ldir>> Last fault IB current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2114           |                                          |        |        | HR2113 (Lo-16bits)                              |
| HR2115           | DOC2:ldir>> Last fault IC current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2116           |                                          |        |        | HR2115 (Lo-16bits)                              |
| HR2117           | DOC3:ldir>>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2118           | DOC3:ldir>>> Last fault type             | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR2119           | DOC3:ldir>>> Last fault angle            | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR2120           |                                          |        |        | HR2119 (Lo-16bits)                              |
| HR2121           | DOC3:ldir>>> Last fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2122           |                                          |        |        | HR2121 (Lo-16bits)                              |
| HR2123           | DOC3:ldir>>> Last fault IB current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2124           |                                              |        |        | HR2123 (Lo-16bits)                                          |
| HR2125           | DOC3:ldir>>> Last fault IC current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2126           |                                              |        |        | HR2125 (Lo-16bits)                                          |
| HR2127           | DOC4:ldir>>> Last fault end with             | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2128           | DOC4:ldir>>>> Last fault type                | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C             |
| HR2129           | DOC4:ldir>>>> Last fault angle               | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)                        |
| HR2130           |                                              |        |        | HR2129 (Lo-16bits)                                          |
| HR2131           | DOC4:ldir>>>> Last fault IA current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2132           |                                              |        |        | HR2131 (Lo-16bits)                                          |
| HR2133           | DOC4:ldir>>>> Last fault IB current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2134           |                                              |        |        | HR2133 (Lo-16bits)                                          |
| HR2135           | DOC4:ldir>>>> Last fault IC current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2136           |                                              |        |        | HR2135 (Lo-16bits)                                          |
| HR2137           | NEF1:I0> Last fault end with                 | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2138           | NEF1:I0> Last fault I0 current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2139           |                                              |        |        | HR2138 (Lo-16bits)                                          |
| HR2140           | NEF1:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2141           |                                              |        |        | HR2140 (Lo-16bits)                                          |
| HR2142           | NEF1:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2143           | NEF1:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2144           |                                              |        |        | HR2143 (Lo-16bits)                                          |
| HR2145           | NEF1:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2146           | NEF1:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2147           | NEF1:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2148           | NEF1:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2149           | NEF1:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2150           |                                              |        |        | HR2149 (Lo-16bits)                                          |
| HR2151           | NEF1:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2152           |                                              |        |        | HR2151 (Lo-16bits)                                          |
| HR2153           | NEF1:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2154           |                                              |        |        | HR2153 (Lo-16bits)                                          |
| HR2155           | NEF1:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2156           |                                              |        |        | HR2155 (Lo-16bits)                                          |
| HR2157           | NEF1:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2158           | NEF1:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2159           | NEF2:I0>> Last fault end with                | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2160           | NEF2:I0>> Last fault I0 current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2161           |                                              |        |        | HR2160 (Lo-16bits)                                          |
| HR2162           | NEF2:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2163           |                                              |        |        | HR2162 (Lo-16bits)                                          |
| HR2164           | NEF2:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2165           | NEF2:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2166           |                                              |        |        | HR2165 (Lo-16bits)                                          |
| HR2167           | NEF2:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2168           | NEF2:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2169           | NEF2:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2170           | NEF2:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2171           | NEF2:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2172           |                                              |        |        | HR2171 (Lo-16bits)                                          |
| HR2173           | NEF2:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |



| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2174           |                                              |        |        | HR2173 (Lo-16bits)                                          |
| HR2175           | NEF2:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2176           |                                              |        |        | HR2175 (Lo-16bits)                                          |
| HR2177           | NEF2:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2178           |                                              |        |        | HR2177 (Lo-16bits)                                          |
| HR2179           | NEF2:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2180           | NEF2:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2181           | NEF3:I0>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2182           | NEF3:I0>>> Last fault I0 current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2183           |                                              |        |        | HR2182 (Lo-16bits)                                          |
| HR2184           | NEF3:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2185           |                                              |        |        | HR2184 (Lo-16bits)                                          |
| HR2186           | NEF3:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2187           | NEF3:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2188           |                                              |        |        | HR2187 (Lo-16bits)                                          |
| HR2189           | NEF3:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2190           | NEF3:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2191           | NEF3:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2192           | NEF3:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2193           | NEF3:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2194           |                                              |        |        | HR2193 (Lo-16bits)                                          |
| HR2195           | NEF3:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2196           |                                              |        |        | HR2195 (Lo-16bits)                                          |
| HR2197           | NEF3:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2198           |                                              |        |        | HR2197 (Lo-16bits)                                          |
| HR2199           | NEF3:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2200           |                                              |        |        | HR2199 (Lo-16bits)                                          |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2201           | NEF3:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2202           | NEF3:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2203           | NEF4:I0>>>> Last fault end with              | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2204           | NEF4:I0>>>> Last fault I0 current (pri)      | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2205           |                                              |        |        | HR2204 (Lo-16bits)                                          |
| HR2206           | NEF4:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2207           |                                              |        |        | HR2206 (Lo-16bits)                                          |
| HR2208           | NEF4:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2209           | NEF4:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2210           |                                              |        |        | HR2209 (Lo-16bits)                                          |
| HR2211           | NEF4:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2212           | NEF4:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2213           | NEF4:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2214           | NEF4:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2215           | NEF4:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2216           |                                              |        |        | HR2215 (Lo-16bits)                                          |
| HR2217           | NEF4:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2218           |                                              |        |        | HR2217 (Lo-16bits)                                          |
| HR2219           | NEF4:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2220           |                                              |        |        | HR2219 (Lo-16bits)                                          |
| HR2221           | NEF4:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2222           |                                              |        |        | HR2221 (Lo-16bits)                                          |
| HR2223           | NEF4:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2224           | NEF4:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2225           | DEF1:I0dir> Last fault end with              | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2226           | DEF1:I0dir> Last fault angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)                              |

| Holding Register | Parameter                                  | Access | Length |                                 |
|------------------|--------------------------------------------|--------|--------|---------------------------------|
| HR2227           |                                            |        |        | HR2226 (Lo-16bits)              |
| HR2228           | DEF1:I0dir> Last fault I0 current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2229           |                                            |        |        | HR2228 (Lo-16bits)              |
| HR2230           | DEF1:I0dir> Last fault U0(%)               | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2231           |                                            |        |        | HR2230 (Lo-16bits)              |
| HR2232           | DEF2:I0dir>> Last fault end with           | R      | 1      | 0=No Faults;1=Start;2=Trip      |
| HR2233           | DEF2:I0dir>> Last fault angle              | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR2234           |                                            |        |        | HR2233 (Lo-16bits)              |
| HR2235           | DEF2:I0dir>> Last fault I0 current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2236           |                                            |        |        | HR2235 (Lo-16bits)              |
| HR2237           | DEF2:I0dir>> Last fault U0(%)              | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2238           |                                            |        |        | HR2237 (Lo-16bits)              |
| HR2239           | DEF3:I0dir>>> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip      |
| HR2240           | DEF3:I0dir>>> Last fault angle             | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR2241           |                                            |        |        | HR2240 (Lo-16bits)              |
| HR2242           | DEF3:I0dir>>> Last fault I0 current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2243           |                                            |        |        | HR2242 (Lo-16bits)              |
| HR2244           | DEF3:I0dir>>> Last fault U0(%)             | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2245           |                                            |        |        | HR2244 (Lo-16bits)              |
| HR2246           | DEF4:I0dir>>>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip      |
| HR2247           | DEF4:I0dir>>>> Last fault angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR2248           |                                            |        |        | HR2247 (Lo-16bits)              |
| HR2249           | DEF4:I0dir>>>> Last fault I0 current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2250           |                                            |        |        | HR2249 (Lo-16bits)              |

| Holding Register | Parameter                             | Access | Length |                                                                   |
|------------------|---------------------------------------|--------|--------|-------------------------------------------------------------------|
| HR2251           | DEF4:IOdir>>>> Last fault U0(%)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR2252           |                                       |        |        | HR2251 (Lo-16bits)                                                |
| HR2253           | UCP1:IUC> condition                   | R      | 1      | 0=Normal;1=Blocked;2=Start On (Alarm);3=Start On (Alarm & Trip)   |
| HR2254           | NOC1:I> Phases condition              | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip C |
| HR2255           | NOC2:I>> Phases condition             | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip C |
| HR2256           | NOC3:I>>> Phases condition            | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip C |
| HR2257           | NOC4:I>>>> Phases condition           | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip C |
| HR2258           | MEAS2:MEAS2 IL ang. Ref               | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                    |
| HR2259           |                                       |        |        | HR2258 (Lo-16bits)                                                |
| HR2260           | IMERX:IL1 Resistive Current Pri.      | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                              |
| HR2261           |                                       |        |        | HR2260 (Lo-16bits)                                                |
| HR2262           | IMERX:IL1 Reactive Current Pri.       | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                              |
| HR2263           |                                       |        |        | HR2262 (Lo-16bits)                                                |
| HR2264           | IMERX:IL2 Resistive Current Pri.      | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                              |
| HR2265           |                                       |        |        | HR2264 (Lo-16bits)                                                |
| HR2266           | IMERX:IL2 Reactive Current Pri.       | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                              |
| HR2267           |                                       |        |        | HR2266 (Lo-16bits)                                                |
| HR2268           | IMERX:IL3 Resistive Current Pri.      | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                              |
| HR2269           |                                       |        |        | HR2268 (Lo-16bits)                                                |
| HR2270           | IMERX:IL3 Reactive Current Pri.       | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                              |
| HR2271           |                                       |        |        | HR2270 (Lo-16bits)                                                |
| HR2272           | IMERX:Pos.seq. Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                              |
| HR2273           |                                       |        |        | HR2272 (Lo-16bits)                                                |
| HR2274           | IMERX:Pos.Seq. Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                              |

| Holding Register | Parameter                                            | Access | Length |                                        |
|------------------|------------------------------------------------------|--------|--------|----------------------------------------|
| HR2275           |                                                      |        |        | HR2274 (Lo-16bits)                     |
| HR2276           | IMERX:I01 Residual Resistive Current Pri.            | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2277           |                                                      |        |        | HR2276 (Lo-16bits)                     |
| HR2278           | IMERX:I01 Residual Reactive Current Pri.             | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2279           |                                                      |        |        | HR2278 (Lo-16bits)                     |
| HR2280           | IMERX:I02 Residual Resistive Current Pri.            | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2281           |                                                      |        |        | HR2280 (Lo-16bits)                     |
| HR2282           | IMERX:I02 Residual Reactive Current Pri.             | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2283           |                                                      |        |        | HR2282 (Lo-16bits)                     |
| HR2284           | IMERX:I01 Residual Resistive Current Sec.            | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2285           |                                                      |        |        | HR2284 (Lo-16bits)                     |
| HR2286           | IMERX:I01 Residual Reactive Current Sec.             | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2287           |                                                      |        |        | HR2286 (Lo-16bits)                     |
| HR2288           | IMERX:I02 Residual Resistive Current Sec.            | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2289           |                                                      |        |        | HR2288 (Lo-16bits)                     |
| HR2290           | IMERX:I02 Residual Reactive Current Sec.             | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2291           |                                                      |        |        | HR2290 (Lo-16bits)                     |
| HR2292           | POW1:3PH PF                                          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR2293           |                                                      |        |        | HR2292 (Lo-16bits)                     |
| HR2294           | FREQS:f atm. Display<br>(when not measurable is 0Hz) | R      | 2      | FLOAT [0...75] (Hi-16bits)             |
| HR2295           |                                                      |        |        | HR2294 (Lo-16bits)                     |
| HR2296           | ROC1:ldrw> condition                                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2297           | ROC1:ldrw> Current direction                         | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2298           | ROC2:ldrw>> condition                                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |

| Holding Register | Parameter                           | Access | Length |                                                                 |
|------------------|-------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2299           | ROC2:ldrw>> Current direction       | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2300           | ROC3:ldrw>>> condition              | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2301           | ROC3:ldrw>>> Current direction      | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2302           | ROC4:ldrw>>>> condition             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2303           | ROC4:ldrw>>>> Current direction     | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2304           | ROC5:ldrw>>>>> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2305           | ROC5:ldrw>>>>> Current direction    | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2306           | ROC6:ldrw>>>>>> condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2307           | ROC6:ldrw>>>>>> Current direction   | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2308           | ROC7:ldrw>>>>>>> condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2309           | ROC7:ldrw>>>>>>> Current direction  | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2310           | ROC8:ldrw>>>>>>>> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2311           | ROC8:ldrw>>>>>>>> Current direction | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2312           | ROV1:Urw>/< condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2313           | ROV2:Urw>>/<< condition             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2314           | ROV3:Urw>>>/<<< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2315           | ROV4:Urw>>>>/<<<< condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2316           | TOLM1:TM> Setting alarm             | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2317           | TOLM1:TM> Setting alarm             | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2318           | TOLM1:TM> Setting alarm             | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2319           | TOLM1:TM> Setting alarm             | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2320           | PWR1:PQS>/< condition               | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |
| HR2321           | PWR2:PQS>>/<< condition             | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |
| HR2322           | PWR3:PQS>>>/<<< condition           | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |

| Holding Register | Parameter                      | Access | Length |                                      |
|------------------|--------------------------------|--------|--------|--------------------------------------|
| HR2323           | PWR4:PQS>>>>/<<<< condition    | R      | 1      | 0=Normal; 1=Start; 2=Trip; 3=Blocked |
| HR2324           | RTDIN:S1 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2325           |                                |        |        | HR2324 (Lo-16bits)                   |
| HR2326           | RTDIN:S2 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2327           |                                |        |        | HR2326 (Lo-16bits)                   |
| HR2328           | RTDIN:S3 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2329           |                                |        |        | HR2328 (Lo-16bits)                   |
| HR2330           | RTDIN:S4 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2331           |                                |        |        | HR2330 (Lo-16bits)                   |
| HR2332           | RTDIN:S5 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2333           |                                |        |        | HR2332 (Lo-16bits)                   |
| HR2334           | RTDIN:S6 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2335           |                                |        |        | HR2334 (Lo-16bits)                   |
| HR2336           | RTDIN:S7 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2337           |                                |        |        | HR2336 (Lo-16bits)                   |
| HR2338           | RTDIN:S8 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2339           |                                |        |        | HR2338 (Lo-16bits)                   |
| HR2340           | RTDIN:S9 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2341           |                                |        |        | HR2340 (Lo-16bits)                   |
| HR2342           | RTDIN:S10 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2343           |                                |        |        | HR2342 (Lo-16bits)                   |
| HR2344           | RTDIN:S11 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |
| HR2345           |                                |        |        | HR2344 (Lo-16bits)                   |
| HR2346           | RTDIN:S12 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)  |

| Holding Register | Parameter                      | Access | Length |                                     |
|------------------|--------------------------------|--------|--------|-------------------------------------|
| HR2347           |                                |        |        | HR2346 (Lo-16bits)                  |
| HR2348           | RTDIN:S13 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2349           |                                |        |        | HR2348 (Lo-16bits)                  |
| HR2350           | RTDIN:S14 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2351           |                                |        |        | HR2350 (Lo-16bits)                  |
| HR2352           | RTDIN:S15 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2353           |                                |        |        | HR2352 (Lo-16bits)                  |
| HR2354           | RTDIN:S16 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2355           |                                |        |        | HR2354 (Lo-16bits)                  |
| HR2356           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2357           |                                |        |        | HR2356 (Lo-16bits)                  |
| HR2358           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2359           |                                |        |        | HR2358 (Lo-16bits)                  |
| HR2360           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2361           |                                |        |        | HR2360 (Lo-16bits)                  |
| HR2362           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2363           |                                |        |        | HR2362 (Lo-16bits)                  |
| HR2364           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2365           |                                |        |        | HR2364 (Lo-16bits)                  |
| HR2366           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2367           |                                |        |        | HR2366 (Lo-16bits)                  |
| HR2368           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2369           |                                |        |        | HR2368 (Lo-16bits)                  |
| HR2370           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |



| Holding Register | Parameter               | Access | Length |                              |
|------------------|-------------------------|--------|--------|------------------------------|
| HR2371           |                         |        |        | HR2370 (Lo-16bits)           |
| HR2372           | VRG1:U> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2373           |                         |        |        | HR2372 (Lo-16bits)           |
| HR2374           | VRG1:U> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2375           |                         |        |        | HR2374 (Lo-16bits)           |
| HR2376           | VRG1:U> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2377           |                         |        |        | HR2376 (Lo-16bits)           |
| HR2378           | VRG1:U> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2379           |                         |        |        | HR2378 (Lo-16bits)           |
| HR2380           | VRG1:U> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2381           |                         |        |        | HR2380 (Lo-16bits)           |
| HR2382           | VRG1:U> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2383           |                         |        |        | HR2382 (Lo-16bits)           |
| HR2384           | VRG1:U> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2385           |                         |        |        | HR2384 (Lo-16bits)           |
| HR2386           | VRG1:U> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2387           |                         |        |        | HR2386 (Lo-16bits)           |
| HR2388           | VRG1:U< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2389           |                         |        |        | HR2388 (Lo-16bits)           |
| HR2390           | VRG1:U< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2391           |                         |        |        | HR2390 (Lo-16bits)           |
| HR2392           | VRG1:U< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2393           |                         |        |        | HR2392 (Lo-16bits)           |
| HR2394           | VRG1:U< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2395           |                         |        |        | HR2394 (Lo-16bits)           |
| HR2396           | VRG1:U< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2397           |                         |        |        | HR2396 (Lo-16bits)           |
| HR2398           | VRG1:U< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2399           |                         |        |        | HR2398 (Lo-16bits)           |
| HR2400           | VRG1:U< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                              |
|------------------|--------------------------|--------|--------|------------------------------|
| HR2401           |                          |        |        | HR2400 (Lo-16bits)           |
| HR2402           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2403           |                          |        |        | HR2402 (Lo-16bits)           |
| HR2404           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2405           |                          |        |        | HR2404 (Lo-16bits)           |
| HR2406           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2407           |                          |        |        | HR2406 (Lo-16bits)           |
| HR2408           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2409           |                          |        |        | HR2408 (Lo-16bits)           |
| HR2410           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2411           |                          |        |        | HR2410 (Lo-16bits)           |
| HR2412           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2413           |                          |        |        | HR2412 (Lo-16bits)           |
| HR2414           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2415           |                          |        |        | HR2414 (Lo-16bits)           |
| HR2416           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2417           |                          |        |        | HR2416 (Lo-16bits)           |
| HR2418           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2419           |                          |        |        | HR2418 (Lo-16bits)           |
| HR2420           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2421           |                          |        |        | HR2420 (Lo-16bits)           |
| HR2422           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2423           |                          |        |        | HR2422 (Lo-16bits)           |
| HR2424           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2425           |                          |        |        | HR2424 (Lo-16bits)           |
| HR2426           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                                                                 |
|------------------|------------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2427           |                                                |        |        | HR2426 (Lo-16bits)                                              |
| HR2428           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2429           |                                                |        |        | HR2428 (Lo-16bits)                                              |
| HR2430           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2431           |                                                |        |        | HR2430 (Lo-16bits)                                              |
| HR2432           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2433           |                                                |        |        | HR2432 (Lo-16bits)                                              |
| HR2434           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2435           |                                                |        |        | HR2434 (Lo-16bits)                                              |
| HR2436           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2437           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2438           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2439           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2440           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2441           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2442           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2443           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2444           | POW1:Apparent Energy (S) while Export (P) MVAh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |
| HR2445           |                                                |        |        | HR2444 (Lo-16bits)                                              |
| HR2446           | POW1:Apparent Energy (S) while Export (P) kVAh | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |
| HR2447           |                                                |        |        | HR2446 (Lo-16bits)                                              |
| HR2448           | POW1:Apparent Energy (S) while Import (P) MVAh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |
| HR2449           |                                                |        |        | HR2448 (Lo-16bits)                                              |
| HR2450           | POW1:Apparent Energy (S) while Import (P) kVAh | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |
| HR2451           |                                                |        |        | HR2450 (Lo-16bits)                                              |
| HR2452           | POW1:Apparent Energy (S) Net                   | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |
| HR2453           |                                                |        |        | HR2452 (Lo-16bits)                                              |
| HR2454           | POW1:Real Energy (P) Net                       | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |

| Holding Register | Parameter                                                                 | Access | Length |                                              |
|------------------|---------------------------------------------------------------------------|--------|--------|----------------------------------------------|
| HR2455           |                                                                           |        |        | HR2454 (Lo-16bits)                           |
| HR2456           | POW1:Reactive Energy (Q) Net                                              | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2457           |                                                                           |        |        | HR2456 (Lo-16bits)                           |
| HR2458           | POW1:Real Energy (P) Supply (Default supply direction towards busbar)     | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2459           |                                                                           |        |        | HR2458 (Lo-16bits)                           |
| HR2460           | POW1:Reactive Energy (Q) Supply (Default supply direction towards busbar) | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2461           |                                                                           |        |        | HR2460 (Lo-16bits)                           |
| HR2462           | POW1:Real Energy (P) Demand (Default demand direction from busbar)        | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2463           |                                                                           |        |        | HR2462 (Lo-16bits)                           |
| HR2464           | POW1:Reactive Energy (Q) Demand (Default demand direction from busbar)    | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2465           |                                                                           |        |        | HR2464 (Lo-16bits)                           |
| HR2466           | M1CT1:Phase CT primary                                                    | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)                |
| HR2467           |                                                                           |        |        | HR2466 (Lo-16bits)                           |
| HR2468           | M1CT1:Phase CT secondary                                                  | R(W)   | 2      | FLOAT [0.2...20] (Hi-16bits)                 |
| HR2469           |                                                                           |        |        | HR2468 (Lo-16bits)                           |
| HR2470           | M1CT2:I01 CT primary                                                      | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits)              |
| HR2471           |                                                                           |        |        | HR2470 (Lo-16bits)                           |
| HR2472           | M1CT2:I01 CT secondary                                                    | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)                 |
| HR2473           |                                                                           |        |        | HR2472 (Lo-16bits)                           |
| HR2474           | M1CT3:I02 CT primary                                                      | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits)              |
| HR2475           |                                                                           |        |        | HR2474 (Lo-16bits)                           |
| HR2476           | M1CT3:I02 CT secondary                                                    | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)               |
| HR2477           |                                                                           |        |        | HR2476 (Lo-16bits)                           |
| HR2478           | M2CT1:Phase CT primary                                                    | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)                |
| HR2479           |                                                                           |        |        | HR2478 (Lo-16bits)                           |

| Holding Register | Parameter                    | Access | Length |                                 |
|------------------|------------------------------|--------|--------|---------------------------------|
| HR2480           | M2CT1:Phase CT secondary     | R(W)   | 2      | FLOAT [0.2...20] (Hi-16bits)    |
| HR2481           |                              |        |        | HR2480 (Lo-16bits)              |
| HR2482           | M2CT2:I"01 CT primary        | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2483           |                              |        |        | HR2482 (Lo-16bits)              |
| HR2484           | M2CT2:I"01 CT secondary      | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)    |
| HR2485           |                              |        |        | HR2484 (Lo-16bits)              |
| HR2486           | M2CT3:I"02 CT primary        | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2487           |                              |        |        | HR2486 (Lo-16bits)              |
| HR2488           | M2CT3:I"02 CT secondary      | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR2489           |                              |        |        | HR2488 (Lo-16bits)              |
| HR2490           | M1VT1:VT primary             | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2491           |                              |        |        | HR2490 (Lo-16bits)              |
| HR2492           | M1VT1:VT secondary           | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR2493           |                              |        |        | HR2492 (Lo-16bits)              |
| HR2494           | M1VT1:U3 Res/SS VT primary   | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2495           |                              |        |        | HR2494 (Lo-16bits)              |
| HR2496           | M1VT1:U3 Res/SS VT secondary | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR2497           |                              |        |        | HR2496 (Lo-16bits)              |
| HR2498           | M1VT1:U4 Res/SS VT primary   | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2499           |                              |        |        | HR2498 (Lo-16bits)              |
| HR2500           | M1VT1:U4 Res/SS VT secondary | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR2501           |                              |        |        | HR2500 (Lo-16bits)              |
| HR2502           | TOLT1:TT> Thermal cap used   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR2503           |                              |        |        | HR2502 (Lo-16bits)              |
| HR2504           | TOLF1:TF> Thermal cap used   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR2505           |                              |        |        | HR2504 (Lo-16bits)              |

| Holding Register | Parameter                      | Access | Length |                                                   |
|------------------|--------------------------------|--------|--------|---------------------------------------------------|
| HR2506           | TOLM1:TM> Thermal cap used     | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2507           |                                |        |        | HR2506 (Lo-16bits)                                |
| HR2508           | GSYN:Magnitude side A          | R      | 2      | FLOAT [0.000...200.000] (Hi-16bits)               |
| HR2509           |                                |        |        | HR2508 (Lo-16bits)                                |
| HR2510           | GSYN:Magnitude side B          | R      | 2      | FLOAT [0.000...200.000] (Hi-16bits)               |
| HR2511           |                                |        |        | HR2510 (Lo-16bits)                                |
| HR2512           | GSYN:Frequency side A          | R      | 2      | FLOAT [0.000...75.000] (Hi-16bits)                |
| HR2513           |                                |        |        | HR2512 (Lo-16bits)                                |
| HR2514           | GSYN:Frequency side B          | R      | 2      | FLOAT [0.000...75.000] (Hi-16bits)                |
| HR2515           |                                |        |        | HR2514 (Lo-16bits)                                |
| HR2516           | GSYN:Synchronizing by          | RW     | 1      | 0=Autosynchronizer;1=Manual commands              |
| HR2517           | GSYN:Manual switching mode     | RW     | 1      | 0=Assisted synchroswitch;1=I know what I am doing |
| HR2518           | GSYN:Manual increase voltage   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2519           |                                |        |        | HR2518 (Lo-16bits)                                |
| HR2520           | GSYN:Manual decrease voltage   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2521           |                                |        |        | HR2520 (Lo-16bits)                                |
| HR2522           | GSYN:Manual increase frequency | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2523           |                                |        |        | HR2522 (Lo-16bits)                                |
| HR2524           | GSYN:Manual decrease frequency | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2525           |                                |        |        | HR2524 (Lo-16bits)                                |
| HR2526           | GSYN:Manual Close Breaker      | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2527           |                                |        |        | HR2526 (Lo-16bits)                                |
| HR2528           | ARC1:I/O Arc> S1 Sensor fault  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)           |
| HR2529           |                                |        |        | HR2528 (Lo-16bits)                                |
| HR2530           | ARC1:I/O Arc> S2 Sensor fault  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)           |
| HR2531           |                                |        |        | HR2530 (Lo-16bits)                                |

| Holding Register | Parameter                     | Access | Length |                                         |
|------------------|-------------------------------|--------|--------|-----------------------------------------|
| HR2532           | ARC1:I/O Arc> S3 Sensor fault | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2533           |                               |        |        | HR2532 (Lo-16bits)                      |
| HR2534           | ARC1:I/O Arc> S4 Sensor fault | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2535           |                               |        |        | HR2534 (Lo-16bits)                      |
| HR2536           | ARC1:I/O Arc> IO unit fault   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2537           |                               |        |        | HR2536 (Lo-16bits)                      |
| HR2538           | DIGI:DI1 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2539           |                               |        |        | HR2538 (Lo-16bits)                      |
| HR2540           | DIGI:DI1 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2541           | DIGI:DI2 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2542           |                               |        |        | HR2541 (Lo-16bits)                      |
| HR2543           | DIGI:DI2 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2544           | DIGI:DI3 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2545           |                               |        |        | HR2544 (Lo-16bits)                      |
| HR2546           | DIGI:DI3 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2547           | DIGI:DI4 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2548           |                               |        |        | HR2547 (Lo-16bits)                      |
| HR2549           | DIGI:DI4 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2550           | DIGI:DI5 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2551           |                               |        |        | HR2550 (Lo-16bits)                      |
| HR2552           | DIGI:DI5 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2553           | DIGI:DI6 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2554           |                               |        |        | HR2553 (Lo-16bits)                      |
| HR2555           | DIGI:DI6 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2556           | DIGI:DI7 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2557           |                               |        |        | HR2556 (Lo-16bits)                      |
| HR2558           | DIGI:DI7 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2559           | DIGI:DI8 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2560           |                               |        |        | HR2559 (Lo-16bits)                      |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2561           | DIGI:DI8 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2562           | DIGI:DI9 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2563           |                         |        |        | HR2562 (Lo-16bits)                  |
| HR2564           | DIGI:DI9 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2565           | DIGI:DI10 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2566           |                         |        |        | HR2565 (Lo-16bits)                  |
| HR2567           | DIGI:DI10 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2568           | DIGI:DI11 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2569           |                         |        |        | HR2568 (Lo-16bits)                  |
| HR2570           | DIGI:DI11 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2571           | DIGI:DI12 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2572           |                         |        |        | HR2571 (Lo-16bits)                  |
| HR2573           | DIGI:DI12 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2574           | DIGI:DI13 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2575           |                         |        |        | HR2574 (Lo-16bits)                  |
| HR2576           | DIGI:DI13 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2577           | DIGI:DI14 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2578           |                         |        |        | HR2577 (Lo-16bits)                  |
| HR2579           | DIGI:DI14 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2580           | DIGI:DI15 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2581           |                         |        |        | HR2580 (Lo-16bits)                  |
| HR2582           | DIGI:DI15 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2583           | DIGI:DI16 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2584           |                         |        |        | HR2583 (Lo-16bits)                  |
| HR2585           | DIGI:DI16 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2586           | DIGI:DI17 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2587           |                         |        |        | HR2586 (Lo-16bits)                  |
| HR2588           | DIGI:DI17 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2589           | DIGI:DI18 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2590           |                         |        |        | HR2589 (Lo-16bits)                  |



| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2591           | DIGI:DI18 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2592           | DIGI:DI19 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2593           |                         |        |        | HR2592 (Lo-16bits)                  |
| HR2594           | DIGI:DI19 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2595           | DIGI:DI20 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2596           |                         |        |        | HR2595 (Lo-16bits)                  |
| HR2597           | DIGI:DI20 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2598           | DIGI:DI21 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2599           |                         |        |        | HR2598 (Lo-16bits)                  |
| HR2600           | DIGI:DI21 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2601           | DIGI:DI22 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2602           |                         |        |        | HR2601 (Lo-16bits)                  |
| HR2603           | DIGI:DI22 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2604           | DIGI:DI23 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2605           |                         |        |        | HR2604 (Lo-16bits)                  |
| HR2606           | DIGI:DI23 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2607           | DIGI:DI24 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2608           |                         |        |        | HR2607 (Lo-16bits)                  |
| HR2609           | DIGI:DI24 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2610           | DIGI:DI25 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2611           |                         |        |        | HR2610 (Lo-16bits)                  |
| HR2612           | DIGI:DI25 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2613           | DIGI:DI26 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2614           |                         |        |        | HR2613 (Lo-16bits)                  |
| HR2615           | DIGI:DI26 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2616           | DIGI:DI27 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2617           |                         |        |        | HR2616 (Lo-16bits)                  |
| HR2618           | DIGI:DI27 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2619           | DIGI:DI28 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2620           |                         |        |        | HR2619 (Lo-16bits)                  |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2621           | DIGI:DI28 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2622           | DIGI:DI29 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2623           |                         |        |        | HR2622 (Lo-16bits)                  |
| HR2624           | DIGI:DI29 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2625           | DIGI:DI30 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2626           |                         |        |        | HR2625 (Lo-16bits)                  |
| HR2627           | DIGI:DI30 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2628           | DIGI:DI31 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2629           |                         |        |        | HR2628 (Lo-16bits)                  |
| HR2630           | DIGI:DI31 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2631           | DIGI:DI32 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2632           |                         |        |        | HR2631 (Lo-16bits)                  |
| HR2633           | DIGI:DI32 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2634           | DIGI:DI33 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2635           |                         |        |        | HR2634 (Lo-16bits)                  |
| HR2636           | DIGI:DI33 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2637           | DIGI:DI34 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2638           |                         |        |        | HR2637 (Lo-16bits)                  |
| HR2639           | DIGI:DI34 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2640           | DIGI:DI35 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2641           |                         |        |        | HR2640 (Lo-16bits)                  |
| HR2642           | DIGI:DI35 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2643           | DIGI:DI36 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2644           |                         |        |        | HR2643 (Lo-16bits)                  |
| HR2645           | DIGI:DI36 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2646           | DIGI:DI37 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2647           |                         |        |        | HR2646 (Lo-16bits)                  |
| HR2648           | DIGI:DI37 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2649           | DIGI:DI38 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2650           |                         |        |        | HR2649 (Lo-16bits)                  |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2651           | DIGI:DI38 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2652           | DIGI:DI39 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2653           |                         |        |        | HR2652 (Lo-16bits)                  |
| HR2654           | DIGI:DI39 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2655           | DIGI:DI40 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2656           |                         |        |        | HR2655 (Lo-16bits)                  |
| HR2657           | DIGI:DI40 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2658           | DIGI:DI41 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2659           |                         |        |        | HR2658 (Lo-16bits)                  |
| HR2660           | DIGI:DI41 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2661           | DIGI:DI42 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2662           |                         |        |        | HR2661 (Lo-16bits)                  |
| HR2663           | DIGI:DI42 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2664           | DIGI:DI43 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2665           |                         |        |        | HR2664 (Lo-16bits)                  |
| HR2666           | DIGI:DI43 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2667           | DIGI:DI44 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2668           |                         |        |        | HR2667 (Lo-16bits)                  |
| HR2669           | DIGI:DI44 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2670           | DIGI:DI45 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2671           |                         |        |        | HR2670 (Lo-16bits)                  |
| HR2672           | DIGI:DI45 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2673           | DIGI:DI46 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2674           |                         |        |        | HR2673 (Lo-16bits)                  |
| HR2675           | DIGI:DI46 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2676           | DIGI:DI47 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2677           |                         |        |        | HR2676 (Lo-16bits)                  |
| HR2678           | DIGI:DI47 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2679           | DIGI:DI48 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2680           |                         |        |        | HR2679 (Lo-16bits)                  |

| Holding Register | Parameter                 | Access | Length |                                     |
|------------------|---------------------------|--------|--------|-------------------------------------|
| HR2681           | DIGI:DI48 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2682           | DIGI:DI49 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2683           |                           |        |        | HR2682 (Lo-16bits)                  |
| HR2684           | DIGI:DI49 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2685           | DIGI:DI50 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2686           |                           |        |        | HR2685 (Lo-16bits)                  |
| HR2687           | DIGI:DI50 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2688           | DIGI:DI51 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2689           |                           |        |        | HR2688 (Lo-16bits)                  |
| HR2690           | DIGI:DI51 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2691           | RHC1:Start count          | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2692           |                           |        |        | HR2691 (Lo-16bits)                  |
| HR2693           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2694           |                           |        |        | HR2693 (Lo-16bits)                  |
| HR2695           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2696           |                           |        |        | HR2695 (Lo-16bits)                  |
| HR2697           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2698           |                           |        |        | HR2697 (Lo-16bits)                  |
| HR2699           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2700           |                           |        |        | HR2699 (Lo-16bits)                  |
| HR2701           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2702           |                           |        |        | HR2701 (Lo-16bits)                  |
| HR2703           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2704           |                           |        |        | HR2703 (Lo-16bits)                  |
| HR2705           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2706           |                           |        |        | HR2705 (Lo-16bits)                  |
| HR2707           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2708           |                           |        |        | HR2707 (Lo-16bits)                  |
| HR2709           | NOC1:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                         |
| HR2710           | NOC1:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                         |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2711           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2712           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2713           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2714           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2715           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2716           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2717           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2718           |                                              |        |        | HR2717 (Lo-16bits)           |
| HR2719           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2720           |                                              |        |        | HR2719 (Lo-16bits)           |
| HR2721           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2722           |                                              |        |        | HR2721 (Lo-16bits)           |
| HR2723           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2724           |                                              |        |        | HR2723 (Lo-16bits)           |
| HR2725           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2726           |                                              |        |        | HR2725 (Lo-16bits)           |
| HR2727           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2728           |                                              |        |        | HR2727 (Lo-16bits)           |
| HR2729           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2730           |                                              |        |        | HR2729 (Lo-16bits)           |
| HR2731           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2732           |                                              |        |        | HR2731 (Lo-16bits)           |
| HR2733           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR2734           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR2735           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR2736           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR2737           | NOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2738           | NOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2739           | NOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2740           | NOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2741           | NOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2742           | NOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2743           | NOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2744           | NOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2745           | NOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2746           | NOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2747           | NOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2748           | NOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2749           | NOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2750           | NOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2751           | NOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2752           | NOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2753           | NOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2754           | NOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2755           | NOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2756           | NOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2757           | NOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR2758           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2759           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2760           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2761           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2762           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2763           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2764           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2765           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2766           |                               |        |        | HR2765 (Lo-16bits)            |
| HR2767           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2768           |                               |        |        | HR2767 (Lo-16bits)            |
| HR2769           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2770           |                               |        |        | HR2769 (Lo-16bits)            |
| HR2771           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2772           |                               |        |        | HR2771 (Lo-16bits)            |
| HR2773           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2774           |                               |        |        | HR2773 (Lo-16bits)            |
| HR2775           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2776           |                               |        |        | HR2775 (Lo-16bits)            |
| HR2777           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2778           |                               |        |        | HR2777 (Lo-16bits)            |
| HR2779           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2780           |                               |        |        | HR2779 (Lo-16bits)            |
| HR2781           | NOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2782           |                               |        |        | HR2781 (Lo-16bits)            |
| HR2783           | NOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2784           |                               |        |        | HR2783 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR2785           | NOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2786           |                    |        |        | HR2785 (Lo-16bits)          |
| HR2787           | NOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2788           |                    |        |        | HR2787 (Lo-16bits)          |
| HR2789           | NOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2790           |                    |        |        | HR2789 (Lo-16bits)          |
| HR2791           | NOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2792           |                    |        |        | HR2791 (Lo-16bits)          |
| HR2793           | NOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2794           |                    |        |        | HR2793 (Lo-16bits)          |
| HR2795           | NOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2796           |                    |        |        | HR2795 (Lo-16bits)          |
| HR2797           | NOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2798           |                    |        |        | HR2797 (Lo-16bits)          |
| HR2799           | NOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2800           |                    |        |        | HR2799 (Lo-16bits)          |
| HR2801           | NOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2802           |                    |        |        | HR2801 (Lo-16bits)          |
| HR2803           | NOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2804           |                    |        |        | HR2803 (Lo-16bits)          |
| HR2805           | NOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2806           |                    |        |        | HR2805 (Lo-16bits)          |
| HR2807           | NOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2808           |                    |        |        | HR2807 (Lo-16bits)          |
| HR2809           | NOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2810           |                    |        |        | HR2809 (Lo-16bits)          |
| HR2811           | NOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2812           |                    |        |        | HR2811 (Lo-16bits)          |
| HR2813           | NOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2814           |                    |        |        | HR2813 (Lo-16bits)          |



| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR2815           | NOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2816           |                                                                         |        |        | HR2815 (Lo-16bits)           |
| HR2817           | NOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2818           |                                                                         |        |        | HR2817 (Lo-16bits)           |
| HR2819           | NOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2820           |                                                                         |        |        | HR2819 (Lo-16bits)           |
| HR2821           | NOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2822           |                                                                         |        |        | HR2821 (Lo-16bits)           |
| HR2823           | NOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2824           |                                                                         |        |        | HR2823 (Lo-16bits)           |
| HR2825           | NOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2826           |                                                                         |        |        | HR2825 (Lo-16bits)           |
| HR2827           | NOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2828           |                                                                         |        |        | HR2827 (Lo-16bits)           |
| HR2829           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2830           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2831           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2832           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2833           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2834           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2835           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2836           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2837           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2838           |                                                                         |        |        | HR2837 (Lo-16bits)           |
| HR2839           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR2840           |                                                                         |        |        | HR2839 (Lo-16bits)           |
| HR2841           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2842           |                                                                         |        |        | HR2841 (Lo-16bits)           |
| HR2843           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2844           |                                                                         |        |        | HR2843 (Lo-16bits)           |
| HR2845           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2846           |                                                                         |        |        | HR2845 (Lo-16bits)           |
| HR2847           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2848           |                                                                         |        |        | HR2847 (Lo-16bits)           |
| HR2849           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2850           |                                                                         |        |        | HR2849 (Lo-16bits)           |
| HR2851           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2852           |                                                                         |        |        | HR2851 (Lo-16bits)           |
| HR2853           | NOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR2854           | NOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR2855           | NOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR2856           | NOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR2857           | NOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR2858           | NOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR2859           | NOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR2860           | NOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR2861           | NOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR2862           |                                                                         |        |        | HR2861 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR2863           | NOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2864           |                                                    |        |        | HR2863 (Lo-16bits)          |
| HR2865           | NOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2866           |                                                    |        |        | HR2865 (Lo-16bits)          |
| HR2867           | NOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2868           |                                                    |        |        | HR2867 (Lo-16bits)          |
| HR2869           | NOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2870           |                                                    |        |        | HR2869 (Lo-16bits)          |
| HR2871           | NOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2872           |                                                    |        |        | HR2871 (Lo-16bits)          |
| HR2873           | NOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2874           |                                                    |        |        | HR2873 (Lo-16bits)          |
| HR2875           | NOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2876           |                                                    |        |        | HR2875 (Lo-16bits)          |
| HR2877           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR2878           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR2879           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR2880           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR2881           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR2882           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR2883           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR2884           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR2885           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2886           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2887           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2888           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2889           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2890           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2891           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2892           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2893           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2894           |                                                    |        |        | HR2893 (Lo-16bits)           |
| HR2895           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2896           |                                                    |        |        | HR2895 (Lo-16bits)           |
| HR2897           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2898           |                                                    |        |        | HR2897 (Lo-16bits)           |
| HR2899           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2900           |                                                    |        |        | HR2899 (Lo-16bits)           |
| HR2901           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2902           |                                                    |        |        | HR2901 (Lo-16bits)           |
| HR2903           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2904           |                                                    |        |        | HR2903 (Lo-16bits)           |
| HR2905           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2906           |                                                    |        |        | HR2905 (Lo-16bits)           |
| HR2907           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2908           |                                                    |        |        | HR2907 (Lo-16bits)           |
| HR2909           | NOC2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2910           | NOC2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2911           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2912           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2913           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2914           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2915           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2916           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2917           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2918           |                                              |        |        | HR2917 (Lo-16bits)           |
| HR2919           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2920           |                                              |        |        | HR2919 (Lo-16bits)           |
| HR2921           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2922           |                                              |        |        | HR2921 (Lo-16bits)           |
| HR2923           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2924           |                                              |        |        | HR2923 (Lo-16bits)           |
| HR2925           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2926           |                                              |        |        | HR2925 (Lo-16bits)           |
| HR2927           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2928           |                                              |        |        | HR2927 (Lo-16bits)           |
| HR2929           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2930           |                                              |        |        | HR2929 (Lo-16bits)           |
| HR2931           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2932           |                                              |        |        | HR2931 (Lo-16bits)           |
| HR2933           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR2934           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR2935           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR2936           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR2937           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2938           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2939           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2940           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2941           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2942           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2943           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2944           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2945           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2946           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2947           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2948           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2949           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2950           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2951           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2952           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2953           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2954           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2955           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2956           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2957           | NOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR2958           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2959           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2960           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2961           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2962           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2963           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2964           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR2965           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2966           |                               |        |        | HR2965 (Lo-16bits)            |
| HR2967           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2968           |                               |        |        | HR2967 (Lo-16bits)            |
| HR2969           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2970           |                               |        |        | HR2969 (Lo-16bits)            |
| HR2971           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2972           |                               |        |        | HR2971 (Lo-16bits)            |
| HR2973           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2974           |                               |        |        | HR2973 (Lo-16bits)            |
| HR2975           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2976           |                               |        |        | HR2975 (Lo-16bits)            |
| HR2977           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2978           |                               |        |        | HR2977 (Lo-16bits)            |
| HR2979           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2980           |                               |        |        | HR2979 (Lo-16bits)            |
| HR2981           | NOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2982           |                               |        |        | HR2981 (Lo-16bits)            |
| HR2983           | NOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2984           |                               |        |        | HR2983 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR2985           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2986           |                    |        |        | HR2985 (Lo-16bits)          |
| HR2987           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2988           |                    |        |        | HR2987 (Lo-16bits)          |
| HR2989           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2990           |                    |        |        | HR2989 (Lo-16bits)          |
| HR2991           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2992           |                    |        |        | HR2991 (Lo-16bits)          |
| HR2993           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2994           |                    |        |        | HR2993 (Lo-16bits)          |
| HR2995           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2996           |                    |        |        | HR2995 (Lo-16bits)          |
| HR2997           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2998           |                    |        |        | HR2997 (Lo-16bits)          |
| HR2999           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3000           |                    |        |        | HR2999 (Lo-16bits)          |
| HR3001           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3002           |                    |        |        | HR3001 (Lo-16bits)          |
| HR3003           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3004           |                    |        |        | HR3003 (Lo-16bits)          |
| HR3005           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3006           |                    |        |        | HR3005 (Lo-16bits)          |
| HR3007           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3008           |                    |        |        | HR3007 (Lo-16bits)          |
| HR3009           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3010           |                    |        |        | HR3009 (Lo-16bits)          |
| HR3011           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3012           |                    |        |        | HR3011 (Lo-16bits)          |
| HR3013           | NOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3014           |                    |        |        | HR3013 (Lo-16bits)          |



| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3015           | NOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3016           |                                                                         |        |        | HR3015 (Lo-16bits)           |
| HR3017           | NOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3018           |                                                                         |        |        | HR3017 (Lo-16bits)           |
| HR3019           | NOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3020           |                                                                         |        |        | HR3019 (Lo-16bits)           |
| HR3021           | NOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3022           |                                                                         |        |        | HR3021 (Lo-16bits)           |
| HR3023           | NOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3024           |                                                                         |        |        | HR3023 (Lo-16bits)           |
| HR3025           | NOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3026           |                                                                         |        |        | HR3025 (Lo-16bits)           |
| HR3027           | NOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3028           |                                                                         |        |        | HR3027 (Lo-16bits)           |
| HR3029           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3030           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3031           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3032           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3033           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3034           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3035           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3036           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3037           | NOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3038           |                                                                         |        |        | HR3037 (Lo-16bits)           |
| HR3039           | NOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR3040           |                                                |        |        | HR3039 (Lo-16bits)           |
| HR3041           | NOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3042           |                                                |        |        | HR3041 (Lo-16bits)           |
| HR3043           | NOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3044           |                                                |        |        | HR3043 (Lo-16bits)           |
| HR3045           | NOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3046           |                                                |        |        | HR3045 (Lo-16bits)           |
| HR3047           | NOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3048           |                                                |        |        | HR3047 (Lo-16bits)           |
| HR3049           | NOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3050           |                                                |        |        | HR3049 (Lo-16bits)           |
| HR3051           | NOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3052           |                                                |        |        | HR3051 (Lo-16bits)           |
| HR3053           | NOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3054           | NOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3055           | NOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3056           | NOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3057           | NOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3058           | NOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3059           | NOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3060           | NOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3061           | NOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3062           |                                                |        |        | HR3061 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3063           | NOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3064           |                                                    |        |        | HR3063 (Lo-16bits)          |
| HR3065           | NOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3066           |                                                    |        |        | HR3065 (Lo-16bits)          |
| HR3067           | NOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3068           |                                                    |        |        | HR3067 (Lo-16bits)          |
| HR3069           | NOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3070           |                                                    |        |        | HR3069 (Lo-16bits)          |
| HR3071           | NOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3072           |                                                    |        |        | HR3071 (Lo-16bits)          |
| HR3073           | NOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3074           |                                                    |        |        | HR3073 (Lo-16bits)          |
| HR3075           | NOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3076           |                                                    |        |        | HR3075 (Lo-16bits)          |
| HR3077           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3078           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3079           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3080           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3081           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3082           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3083           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3084           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3085           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3086           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3087           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3088           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3089           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3090           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3091           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3092           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3093           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3094           |                                                    |        |        | HR3093 (Lo-16bits)           |
| HR3095           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3096           |                                                    |        |        | HR3095 (Lo-16bits)           |
| HR3097           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3098           |                                                    |        |        | HR3097 (Lo-16bits)           |
| HR3099           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3100           |                                                    |        |        | HR3099 (Lo-16bits)           |
| HR3101           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3102           |                                                    |        |        | HR3101 (Lo-16bits)           |
| HR3103           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3104           |                                                    |        |        | HR3103 (Lo-16bits)           |
| HR3105           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3106           |                                                    |        |        | HR3105 (Lo-16bits)           |
| HR3107           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3108           |                                                    |        |        | HR3107 (Lo-16bits)           |
| HR3109           | NOC3:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3110           | NOC3:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3111           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3112           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3113           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3114           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3115           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3116           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3117           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3118           |                                              |        |        | HR3117 (Lo-16bits)           |
| HR3119           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3120           |                                              |        |        | HR3119 (Lo-16bits)           |
| HR3121           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3122           |                                              |        |        | HR3121 (Lo-16bits)           |
| HR3123           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3124           |                                              |        |        | HR3123 (Lo-16bits)           |
| HR3125           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3126           |                                              |        |        | HR3125 (Lo-16bits)           |
| HR3127           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3128           |                                              |        |        | HR3127 (Lo-16bits)           |
| HR3129           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3130           |                                              |        |        | HR3129 (Lo-16bits)           |
| HR3131           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3132           |                                              |        |        | HR3131 (Lo-16bits)           |
| HR3133           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3134           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3135           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3136           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3137           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3138           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3139           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3140           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3141           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3142           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3143           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3144           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3145           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3146           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3147           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3148           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3149           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3150           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3151           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3152           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3153           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3154           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3155           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3156           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3157           | NOC3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR3158           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3159           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3160           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3161           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3162           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3163           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3164           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3165           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3166           |                               |        |        | HR3165 (Lo-16bits)            |
| HR3167           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3168           |                               |        |        | HR3167 (Lo-16bits)            |
| HR3169           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3170           |                               |        |        | HR3169 (Lo-16bits)            |
| HR3171           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3172           |                               |        |        | HR3171 (Lo-16bits)            |
| HR3173           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3174           |                               |        |        | HR3173 (Lo-16bits)            |
| HR3175           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3176           |                               |        |        | HR3175 (Lo-16bits)            |
| HR3177           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3178           |                               |        |        | HR3177 (Lo-16bits)            |
| HR3179           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3180           |                               |        |        | HR3179 (Lo-16bits)            |
| HR3181           | NOC3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3182           |                               |        |        | HR3181 (Lo-16bits)            |
| HR3183           | NOC3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3184           |                               |        |        | HR3183 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3185           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3186           |                    |        |        | HR3185 (Lo-16bits)          |
| HR3187           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3188           |                    |        |        | HR3187 (Lo-16bits)          |
| HR3189           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3190           |                    |        |        | HR3189 (Lo-16bits)          |
| HR3191           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3192           |                    |        |        | HR3191 (Lo-16bits)          |
| HR3193           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3194           |                    |        |        | HR3193 (Lo-16bits)          |
| HR3195           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3196           |                    |        |        | HR3195 (Lo-16bits)          |
| HR3197           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3198           |                    |        |        | HR3197 (Lo-16bits)          |
| HR3199           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3200           |                    |        |        | HR3199 (Lo-16bits)          |
| HR3201           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3202           |                    |        |        | HR3201 (Lo-16bits)          |
| HR3203           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3204           |                    |        |        | HR3203 (Lo-16bits)          |
| HR3205           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3206           |                    |        |        | HR3205 (Lo-16bits)          |
| HR3207           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3208           |                    |        |        | HR3207 (Lo-16bits)          |
| HR3209           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3210           |                    |        |        | HR3209 (Lo-16bits)          |
| HR3211           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3212           |                    |        |        | HR3211 (Lo-16bits)          |
| HR3213           | NOC3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3214           |                    |        |        | HR3213 (Lo-16bits)          |



| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3215           | NOC3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3216           |                                                                         |        |        | HR3215 (Lo-16bits)           |
| HR3217           | NOC3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3218           |                                                                         |        |        | HR3217 (Lo-16bits)           |
| HR3219           | NOC3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3220           |                                                                         |        |        | HR3219 (Lo-16bits)           |
| HR3221           | NOC3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3222           |                                                                         |        |        | HR3221 (Lo-16bits)           |
| HR3223           | NOC3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3224           |                                                                         |        |        | HR3223 (Lo-16bits)           |
| HR3225           | NOC3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3226           |                                                                         |        |        | HR3225 (Lo-16bits)           |
| HR3227           | NOC3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3228           |                                                                         |        |        | HR3227 (Lo-16bits)           |
| HR3229           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3230           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3231           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3232           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3233           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3234           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3235           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3236           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3237           | NOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3238           |                                                                         |        |        | HR3237 (Lo-16bits)           |
| HR3239           | NOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR3240           |                                                |        |        | HR3239 (Lo-16bits)           |
| HR3241           | NOC3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3242           |                                                |        |        | HR3241 (Lo-16bits)           |
| HR3243           | NOC3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3244           |                                                |        |        | HR3243 (Lo-16bits)           |
| HR3245           | NOC3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3246           |                                                |        |        | HR3245 (Lo-16bits)           |
| HR3247           | NOC3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3248           |                                                |        |        | HR3247 (Lo-16bits)           |
| HR3249           | NOC3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3250           |                                                |        |        | HR3249 (Lo-16bits)           |
| HR3251           | NOC3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3252           |                                                |        |        | HR3251 (Lo-16bits)           |
| HR3253           | NOC3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3254           | NOC3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3255           | NOC3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3256           | NOC3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3257           | NOC3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3258           | NOC3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3259           | NOC3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3260           | NOC3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3261           | NOC3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3262           |                                                |        |        | HR3261 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3263           | NOC3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3264           |                                                    |        |        | HR3263 (Lo-16bits)          |
| HR3265           | NOC3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3266           |                                                    |        |        | HR3265 (Lo-16bits)          |
| HR3267           | NOC3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3268           |                                                    |        |        | HR3267 (Lo-16bits)          |
| HR3269           | NOC3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3270           |                                                    |        |        | HR3269 (Lo-16bits)          |
| HR3271           | NOC3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3272           |                                                    |        |        | HR3271 (Lo-16bits)          |
| HR3273           | NOC3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3274           |                                                    |        |        | HR3273 (Lo-16bits)          |
| HR3275           | NOC3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3276           |                                                    |        |        | HR3275 (Lo-16bits)          |
| HR3277           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3278           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3279           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3280           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3281           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3282           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3283           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3284           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3285           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3286           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3287           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3288           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3289           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3290           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3291           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3292           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3293           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3294           |                                                    |        |        | HR3293 (Lo-16bits)           |
| HR3295           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3296           |                                                    |        |        | HR3295 (Lo-16bits)           |
| HR3297           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3298           |                                                    |        |        | HR3297 (Lo-16bits)           |
| HR3299           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3300           |                                                    |        |        | HR3299 (Lo-16bits)           |
| HR3301           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3302           |                                                    |        |        | HR3301 (Lo-16bits)           |
| HR3303           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3304           |                                                    |        |        | HR3303 (Lo-16bits)           |
| HR3305           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3306           |                                                    |        |        | HR3305 (Lo-16bits)           |
| HR3307           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3308           |                                                    |        |        | HR3307 (Lo-16bits)           |
| HR3309           | NOC4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3310           | NOC4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3311           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3312           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3313           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3314           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3315           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3316           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3317           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3318           |                                              |        |        | HR3317 (Lo-16bits)           |
| HR3319           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3320           |                                              |        |        | HR3319 (Lo-16bits)           |
| HR3321           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3322           |                                              |        |        | HR3321 (Lo-16bits)           |
| HR3323           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3324           |                                              |        |        | HR3323 (Lo-16bits)           |
| HR3325           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3326           |                                              |        |        | HR3325 (Lo-16bits)           |
| HR3327           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3328           |                                              |        |        | HR3327 (Lo-16bits)           |
| HR3329           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3330           |                                              |        |        | HR3329 (Lo-16bits)           |
| HR3331           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3332           |                                              |        |        | HR3331 (Lo-16bits)           |
| HR3333           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3334           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3335           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3336           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3337           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3338           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3339           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3340           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3341           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3342           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3343           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3344           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3345           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3346           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3347           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3348           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3349           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3350           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3351           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3352           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3353           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3354           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3355           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3356           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3357           | NOC4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR3358           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3359           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3360           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3361           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3362           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3363           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3364           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3365           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3366           |                               |        |        | HR3365 (Lo-16bits)            |
| HR3367           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3368           |                               |        |        | HR3367 (Lo-16bits)            |
| HR3369           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3370           |                               |        |        | HR3369 (Lo-16bits)            |
| HR3371           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3372           |                               |        |        | HR3371 (Lo-16bits)            |
| HR3373           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3374           |                               |        |        | HR3373 (Lo-16bits)            |
| HR3375           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3376           |                               |        |        | HR3375 (Lo-16bits)            |
| HR3377           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3378           |                               |        |        | HR3377 (Lo-16bits)            |
| HR3379           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3380           |                               |        |        | HR3379 (Lo-16bits)            |
| HR3381           | NOC4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3382           |                               |        |        | HR3381 (Lo-16bits)            |
| HR3383           | NOC4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3384           |                               |        |        | HR3383 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3385           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3386           |                    |        |        | HR3385 (Lo-16bits)          |
| HR3387           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3388           |                    |        |        | HR3387 (Lo-16bits)          |
| HR3389           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3390           |                    |        |        | HR3389 (Lo-16bits)          |
| HR3391           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3392           |                    |        |        | HR3391 (Lo-16bits)          |
| HR3393           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3394           |                    |        |        | HR3393 (Lo-16bits)          |
| HR3395           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3396           |                    |        |        | HR3395 (Lo-16bits)          |
| HR3397           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3398           |                    |        |        | HR3397 (Lo-16bits)          |
| HR3399           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3400           |                    |        |        | HR3399 (Lo-16bits)          |
| HR3401           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3402           |                    |        |        | HR3401 (Lo-16bits)          |
| HR3403           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3404           |                    |        |        | HR3403 (Lo-16bits)          |
| HR3405           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3406           |                    |        |        | HR3405 (Lo-16bits)          |
| HR3407           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3408           |                    |        |        | HR3407 (Lo-16bits)          |
| HR3409           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3410           |                    |        |        | HR3409 (Lo-16bits)          |
| HR3411           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3412           |                    |        |        | HR3411 (Lo-16bits)          |
| HR3413           | NOC4:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3414           |                    |        |        | HR3413 (Lo-16bits)          |



| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3415           | NOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3416           |                                                                         |        |        | HR3415 (Lo-16bits)           |
| HR3417           | NOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3418           |                                                                         |        |        | HR3417 (Lo-16bits)           |
| HR3419           | NOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3420           |                                                                         |        |        | HR3419 (Lo-16bits)           |
| HR3421           | NOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3422           |                                                                         |        |        | HR3421 (Lo-16bits)           |
| HR3423           | NOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3424           |                                                                         |        |        | HR3423 (Lo-16bits)           |
| HR3425           | NOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3426           |                                                                         |        |        | HR3425 (Lo-16bits)           |
| HR3427           | NOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3428           |                                                                         |        |        | HR3427 (Lo-16bits)           |
| HR3429           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3430           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3431           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3432           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3433           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3434           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3435           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3436           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3437           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3438           |                                                                         |        |        | HR3437 (Lo-16bits)           |
| HR3439           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3440           |                                                                         |        |        | HR3439 (Lo-16bits)           |
| HR3441           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3442           |                                                                         |        |        | HR3441 (Lo-16bits)           |
| HR3443           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3444           |                                                                         |        |        | HR3443 (Lo-16bits)           |
| HR3445           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3446           |                                                                         |        |        | HR3445 (Lo-16bits)           |
| HR3447           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3448           |                                                                         |        |        | HR3447 (Lo-16bits)           |
| HR3449           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3450           |                                                                         |        |        | HR3449 (Lo-16bits)           |
| HR3451           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3452           |                                                                         |        |        | HR3451 (Lo-16bits)           |
| HR3453           | NOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3454           | NOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3455           | NOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3456           | NOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3457           | NOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3458           | NOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3459           | NOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3460           | NOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3461           | NOC4:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3462           |                                                                         |        |        | HR3461 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3463           | NOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3464           |                                                    |        |        | HR3463 (Lo-16bits)          |
| HR3465           | NOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3466           |                                                    |        |        | HR3465 (Lo-16bits)          |
| HR3467           | NOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3468           |                                                    |        |        | HR3467 (Lo-16bits)          |
| HR3469           | NOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3470           |                                                    |        |        | HR3469 (Lo-16bits)          |
| HR3471           | NOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3472           |                                                    |        |        | HR3471 (Lo-16bits)          |
| HR3473           | NOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3474           |                                                    |        |        | HR3473 (Lo-16bits)          |
| HR3475           | NOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3476           |                                                    |        |        | HR3475 (Lo-16bits)          |
| HR3477           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3478           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3479           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3480           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3481           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3482           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3483           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3484           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3485           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3486           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3487           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3488           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3489           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3490           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3491           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3492           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3493           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3494           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3495           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3496           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3497           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3498           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3499           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3500           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3501           | DOC1:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3502           |                                                    |        |        | HR3501 (Lo-16bits)          |
| HR3503           | DOC1:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3504           |                                                    |        |        | HR3503 (Lo-16bits)          |
| HR3505           | DOC1:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3506           |                                  |        |        | HR3505 (Lo-16bits)             |
| HR3507           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3508           |                                  |        |        | HR3507 (Lo-16bits)             |
| HR3509           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3510           |                                  |        |        | HR3509 (Lo-16bits)             |
| HR3511           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3512           |                                  |        |        | HR3511 (Lo-16bits)             |
| HR3513           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3514           |                                  |        |        | HR3513 (Lo-16bits)             |
| HR3515           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3516           |                                  |        |        | HR3515 (Lo-16bits)             |
| HR3517           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3518           |                                  |        |        | HR3517 (Lo-16bits)             |
| HR3519           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3520           |                                  |        |        | HR3519 (Lo-16bits)             |
| HR3521           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3522           |                                  |        |        | HR3521 (Lo-16bits)             |
| HR3523           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3524           |                                  |        |        | HR3523 (Lo-16bits)             |
| HR3525           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3526           |                                  |        |        | HR3525 (Lo-16bits)             |
| HR3527           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3528           |                                  |        |        | HR3527 (Lo-16bits)             |
| HR3529           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR3530           |                                              |        |        | HR3529 (Lo-16bits)             |
| HR3531           | DOC1:Operating sector center                 | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3532           |                                              |        |        | HR3531 (Lo-16bits)             |
| HR3533           | DOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3534           |                                              |        |        | HR3533 (Lo-16bits)             |
| HR3535           | DOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3536           |                                              |        |        | HR3535 (Lo-16bits)             |
| HR3537           | DOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3538           |                                              |        |        | HR3537 (Lo-16bits)             |
| HR3539           | DOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3540           |                                              |        |        | HR3539 (Lo-16bits)             |
| HR3541           | DOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3542           |                                              |        |        | HR3541 (Lo-16bits)             |
| HR3543           | DOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3544           |                                              |        |        | HR3543 (Lo-16bits)             |
| HR3545           | DOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3546           |                                              |        |        | HR3545 (Lo-16bits)             |
| HR3547           | DOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3548           |                                              |        |        | HR3547 (Lo-16bits)             |
| HR3549           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3550           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3551           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3552           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3553           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3554           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3555           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3556           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3557           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR3558           |                                              |        |        | HR3557 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3559           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3560           |                                              |        |        | HR3559 (Lo-16bits)           |
| HR3561           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3562           |                                              |        |        | HR3561 (Lo-16bits)           |
| HR3563           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3564           |                                              |        |        | HR3563 (Lo-16bits)           |
| HR3565           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3566           |                                              |        |        | HR3565 (Lo-16bits)           |
| HR3567           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3568           |                                              |        |        | HR3567 (Lo-16bits)           |
| HR3569           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3570           |                                              |        |        | HR3569 (Lo-16bits)           |
| HR3571           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3572           |                                              |        |        | HR3571 (Lo-16bits)           |
| HR3573           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3574           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3575           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3576           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3577           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3578           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3579           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3580           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3581           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3582           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3583           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3584           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3585           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3586           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3587           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3588           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3589           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3590           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3591           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3592           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3593           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3594           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3595           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3596           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3597           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3598           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3599           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3600           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3601           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3602           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3603           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |



| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR3604           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3605           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3606           |                               |        |        | HR3605 (Lo-16bits)            |
| HR3607           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3608           |                               |        |        | HR3607 (Lo-16bits)            |
| HR3609           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3610           |                               |        |        | HR3609 (Lo-16bits)            |
| HR3611           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3612           |                               |        |        | HR3611 (Lo-16bits)            |
| HR3613           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3614           |                               |        |        | HR3613 (Lo-16bits)            |
| HR3615           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3616           |                               |        |        | HR3615 (Lo-16bits)            |
| HR3617           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3618           |                               |        |        | HR3617 (Lo-16bits)            |
| HR3619           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3620           |                               |        |        | HR3619 (Lo-16bits)            |
| HR3621           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3622           |                               |        |        | HR3621 (Lo-16bits)            |
| HR3623           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3624           |                               |        |        | HR3623 (Lo-16bits)            |
| HR3625           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3626           |                               |        |        | HR3625 (Lo-16bits)            |
| HR3627           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3628           |                               |        |        | HR3627 (Lo-16bits)            |
| HR3629           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3630           |                               |        |        | HR3629 (Lo-16bits)            |
| HR3631           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3632           |                               |        |        | HR3631 (Lo-16bits)            |
| HR3633           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3634           |                    |        |        | HR3633 (Lo-16bits)          |
| HR3635           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3636           |                    |        |        | HR3635 (Lo-16bits)          |
| HR3637           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3638           |                    |        |        | HR3637 (Lo-16bits)          |
| HR3639           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3640           |                    |        |        | HR3639 (Lo-16bits)          |
| HR3641           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3642           |                    |        |        | HR3641 (Lo-16bits)          |
| HR3643           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3644           |                    |        |        | HR3643 (Lo-16bits)          |
| HR3645           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3646           |                    |        |        | HR3645 (Lo-16bits)          |
| HR3647           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3648           |                    |        |        | HR3647 (Lo-16bits)          |
| HR3649           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3650           |                    |        |        | HR3649 (Lo-16bits)          |
| HR3651           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3652           |                    |        |        | HR3651 (Lo-16bits)          |
| HR3653           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3654           |                    |        |        | HR3653 (Lo-16bits)          |
| HR3655           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3656           |                    |        |        | HR3655 (Lo-16bits)          |
| HR3657           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3658           |                    |        |        | HR3657 (Lo-16bits)          |
| HR3659           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3660           |                    |        |        | HR3659 (Lo-16bits)          |
| HR3661           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3662           |                    |        |        | HR3661 (Lo-16bits)          |
| HR3663           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3664           |                                                                         |        |        | HR3663 (Lo-16bits)           |
| HR3665           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3666           |                                                                         |        |        | HR3665 (Lo-16bits)           |
| HR3667           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3668           |                                                                         |        |        | HR3667 (Lo-16bits)           |
| HR3669           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3670           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3671           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3672           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3673           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3674           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3675           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3676           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3677           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3678           |                                                                         |        |        | HR3677 (Lo-16bits)           |
| HR3679           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3680           |                                                                         |        |        | HR3679 (Lo-16bits)           |
| HR3681           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3682           |                                                                         |        |        | HR3681 (Lo-16bits)           |
| HR3683           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3684           |                                                                         |        |        | HR3683 (Lo-16bits)           |
| HR3685           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3686           |                                                                         |        |        | HR3685 (Lo-16bits)           |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3687           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3688           |                                                                         |        |        | HR3687 (Lo-16bits)           |
| HR3689           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3690           |                                                                         |        |        | HR3689 (Lo-16bits)           |
| HR3691           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3692           |                                                                         |        |        | HR3691 (Lo-16bits)           |
| HR3693           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3694           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3695           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3696           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3697           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3698           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3699           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3700           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3701           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3702           |                                                                         |        |        | HR3701 (Lo-16bits)           |
| HR3703           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3704           |                                                                         |        |        | HR3703 (Lo-16bits)           |
| HR3705           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3706           |                                                                         |        |        | HR3705 (Lo-16bits)           |
| HR3707           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3708           |                                                                         |        |        | HR3707 (Lo-16bits)           |
| HR3709           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3710           |                                                                         |        |        | HR3709 (Lo-16bits)           |
| HR3711           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3712           |                                                    |        |        | HR3711 (Lo-16bits)          |
| HR3713           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3714           |                                                    |        |        | HR3713 (Lo-16bits)          |
| HR3715           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3716           |                                                    |        |        | HR3715 (Lo-16bits)          |
| HR3717           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3718           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3719           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3720           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3721           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3722           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3723           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3724           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3725           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3726           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3727           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3728           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3729           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3730           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3731           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3732           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3733           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3734           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3735           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3736           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3737           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3738           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3739           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3740           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3741           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3742           |                                                    |        |        | HR3741 (Lo-16bits)          |
| HR3743           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3744           |                                                    |        |        | HR3743 (Lo-16bits)          |
| HR3745           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3746           |                                                    |        |        | HR3745 (Lo-16bits)          |
| HR3747           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3748           |                                                    |        |        | HR3747 (Lo-16bits)          |
| HR3749           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3750           |                                                    |        |        | HR3749 (Lo-16bits)          |
| HR3751           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3752           |                                  |        |        | HR3751 (Lo-16bits)             |
| HR3753           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3754           |                                  |        |        | HR3753 (Lo-16bits)             |
| HR3755           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3756           |                                  |        |        | HR3755 (Lo-16bits)             |
| HR3757           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3758           |                                  |        |        | HR3757 (Lo-16bits)             |
| HR3759           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3760           |                                  |        |        | HR3759 (Lo-16bits)             |
| HR3761           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3762           |                                  |        |        | HR3761 (Lo-16bits)             |
| HR3763           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3764           |                                  |        |        | HR3763 (Lo-16bits)             |
| HR3765           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3766           |                                  |        |        | HR3765 (Lo-16bits)             |
| HR3767           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3768           |                                  |        |        | HR3767 (Lo-16bits)             |
| HR3769           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3770           |                                  |        |        | HR3769 (Lo-16bits)             |
| HR3771           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3772           |                                  |        |        | HR3771 (Lo-16bits)             |
| HR3773           | DOC2:Pick-up setting Iset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3774           |                                  |        |        | HR3773 (Lo-16bits)             |
| HR3775           | DOC2:Pick-up setting Iset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3776           |                                  |        |        | HR3775 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3777           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3778           |                                              |        |        | HR3777 (Lo-16bits)           |
| HR3779           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3780           |                                              |        |        | HR3779 (Lo-16bits)           |
| HR3781           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3782           |                                              |        |        | HR3781 (Lo-16bits)           |
| HR3783           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3784           |                                              |        |        | HR3783 (Lo-16bits)           |
| HR3785           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3786           |                                              |        |        | HR3785 (Lo-16bits)           |
| HR3787           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3788           |                                              |        |        | HR3787 (Lo-16bits)           |
| HR3789           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3790           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3791           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3792           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3793           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3794           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3795           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3796           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3797           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3798           |                                              |        |        | HR3797 (Lo-16bits)           |
| HR3799           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3800           |                                              |        |        | HR3799 (Lo-16bits)           |
| HR3801           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3802           |                                              |        |        | HR3801 (Lo-16bits)           |
| HR3803           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3804           |                                              |        |        | HR3803 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3805           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3806           |                                              |        |        | HR3805 (Lo-16bits)           |
| HR3807           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3808           |                                              |        |        | HR3807 (Lo-16bits)           |
| HR3809           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3810           |                                              |        |        | HR3809 (Lo-16bits)           |
| HR3811           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3812           |                                              |        |        | HR3811 (Lo-16bits)           |
| HR3813           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3814           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3815           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3816           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3817           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3818           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3819           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3820           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3821           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3822           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3823           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3824           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3825           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3826           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3827           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3828           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3829           | DOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3830           | DOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3831           | DOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3832           | DOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3833           | DOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3834           | DOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3835           | DOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3836           | DOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3837           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3838           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3839           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3840           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3841           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3842           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3843           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3844           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3845           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3846           |                               |        |        | HR3845 (Lo-16bits)                                          |
| HR3847           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3848           |                               |        |        | HR3847 (Lo-16bits)                                          |
| HR3849           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3850           |                               |        |        | HR3849 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR3851           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3852           |                          |        |        | HR3851 (Lo-16bits)            |
| HR3853           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3854           |                          |        |        | HR3853 (Lo-16bits)            |
| HR3855           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3856           |                          |        |        | HR3855 (Lo-16bits)            |
| HR3857           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3858           |                          |        |        | HR3857 (Lo-16bits)            |
| HR3859           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3860           |                          |        |        | HR3859 (Lo-16bits)            |
| HR3861           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3862           |                          |        |        | HR3861 (Lo-16bits)            |
| HR3863           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3864           |                          |        |        | HR3863 (Lo-16bits)            |
| HR3865           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3866           |                          |        |        | HR3865 (Lo-16bits)            |
| HR3867           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3868           |                          |        |        | HR3867 (Lo-16bits)            |
| HR3869           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3870           |                          |        |        | HR3869 (Lo-16bits)            |
| HR3871           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3872           |                          |        |        | HR3871 (Lo-16bits)            |
| HR3873           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3874           |                          |        |        | HR3873 (Lo-16bits)            |
| HR3875           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3876           |                          |        |        | HR3875 (Lo-16bits)            |
| HR3877           | DOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3878           |                          |        |        | HR3877 (Lo-16bits)            |
| HR3879           | DOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3880           |                          |        |        | HR3879 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3881           | DOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3882           |                                                    |        |        | HR3881 (Lo-16bits)          |
| HR3883           | DOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3884           |                                                    |        |        | HR3883 (Lo-16bits)          |
| HR3885           | DOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3886           |                                                    |        |        | HR3885 (Lo-16bits)          |
| HR3887           | DOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3888           |                                                    |        |        | HR3887 (Lo-16bits)          |
| HR3889           | DOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3890           |                                                    |        |        | HR3889 (Lo-16bits)          |
| HR3891           | DOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3892           |                                                    |        |        | HR3891 (Lo-16bits)          |
| HR3893           | DOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3894           |                                                    |        |        | HR3893 (Lo-16bits)          |
| HR3895           | DOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3896           |                                                    |        |        | HR3895 (Lo-16bits)          |
| HR3897           | DOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3898           |                                                    |        |        | HR3897 (Lo-16bits)          |
| HR3899           | DOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3900           |                                                    |        |        | HR3899 (Lo-16bits)          |
| HR3901           | DOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3902           |                                                    |        |        | HR3901 (Lo-16bits)          |
| HR3903           | DOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3904           |                                                    |        |        | HR3903 (Lo-16bits)          |
| HR3905           | DOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3906           |                                                    |        |        | HR3905 (Lo-16bits)          |
| HR3907           | DOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3908           |                                                    |        |        | HR3907 (Lo-16bits)          |
| HR3909           | DOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3910           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3911           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3912           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3913           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3914           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3915           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3916           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3917           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3918           |                                                                         |        |        | HR3917 (Lo-16bits)           |
| HR3919           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3920           |                                                                         |        |        | HR3919 (Lo-16bits)           |
| HR3921           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3922           |                                                                         |        |        | HR3921 (Lo-16bits)           |
| HR3923           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3924           |                                                                         |        |        | HR3923 (Lo-16bits)           |
| HR3925           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3926           |                                                                         |        |        | HR3925 (Lo-16bits)           |
| HR3927           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3928           |                                                                         |        |        | HR3927 (Lo-16bits)           |
| HR3929           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3930           |                                                                         |        |        | HR3929 (Lo-16bits)           |
| HR3931           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3932           |                                                                         |        |        | HR3931 (Lo-16bits)           |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3933           | DOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3934           | DOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3935           | DOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3936           | DOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3937           | DOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3938           | DOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3939           | DOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3940           | DOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3941           | DOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3942           |                                            |        |        | HR3941 (Lo-16bits)          |
| HR3943           | DOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3944           |                                            |        |        | HR3943 (Lo-16bits)          |
| HR3945           | DOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3946           |                                            |        |        | HR3945 (Lo-16bits)          |
| HR3947           | DOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3948           |                                            |        |        | HR3947 (Lo-16bits)          |
| HR3949           | DOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3950           |                                            |        |        | HR3949 (Lo-16bits)          |
| HR3951           | DOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3952           |                                            |        |        | HR3951 (Lo-16bits)          |
| HR3953           | DOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3954           |                                            |        |        | HR3953 (Lo-16bits)          |
| HR3955           | DOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3956           |                                            |        |        | HR3955 (Lo-16bits)          |
| HR3957           | DOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR3958           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3959           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3960           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3961           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3962           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3963           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3964           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3965           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3966           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3967           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3968           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3969           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3970           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3971           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3972           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3973           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3974           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3975           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3976           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3977           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3978           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3979           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3980           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3981           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3982           |                                  |        |        | HR3981 (Lo-16bits)             |
| HR3983           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3984           |                                  |        |        | HR3983 (Lo-16bits)             |
| HR3985           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3986           |                                  |        |        | HR3985 (Lo-16bits)             |
| HR3987           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3988           |                                  |        |        | HR3987 (Lo-16bits)             |
| HR3989           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3990           |                                  |        |        | HR3989 (Lo-16bits)             |
| HR3991           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3992           |                                  |        |        | HR3991 (Lo-16bits)             |
| HR3993           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3994           |                                  |        |        | HR3993 (Lo-16bits)             |
| HR3995           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3996           |                                  |        |        | HR3995 (Lo-16bits)             |
| HR3997           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |



| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR3998           |                              |        |        | HR3997 (Lo-16bits)             |
| HR3999           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4000           |                              |        |        | HR3999 (Lo-16bits)             |
| HR4001           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4002           |                              |        |        | HR4001 (Lo-16bits)             |
| HR4003           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4004           |                              |        |        | HR4003 (Lo-16bits)             |
| HR4005           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4006           |                              |        |        | HR4005 (Lo-16bits)             |
| HR4007           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4008           |                              |        |        | HR4007 (Lo-16bits)             |
| HR4009           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4010           |                              |        |        | HR4009 (Lo-16bits)             |
| HR4011           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4012           |                              |        |        | HR4011 (Lo-16bits)             |
| HR4013           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4014           |                              |        |        | HR4013 (Lo-16bits)             |
| HR4015           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4016           |                              |        |        | HR4015 (Lo-16bits)             |
| HR4017           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4018           |                              |        |        | HR4017 (Lo-16bits)             |
| HR4019           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4020           |                              |        |        | HR4019 (Lo-16bits)             |
| HR4021           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4022           |                              |        |        | HR4021 (Lo-16bits)             |
| HR4023           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4024           |                              |        |        | HR4023 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4025           | DOC3:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4026           |                                              |        |        | HR4025 (Lo-16bits)           |
| HR4027           | DOC3:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4028           |                                              |        |        | HR4027 (Lo-16bits)           |
| HR4029           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4030           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4031           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4032           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4033           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4034           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4035           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4036           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4037           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4038           |                                              |        |        | HR4037 (Lo-16bits)           |
| HR4039           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4040           |                                              |        |        | HR4039 (Lo-16bits)           |
| HR4041           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4042           |                                              |        |        | HR4041 (Lo-16bits)           |
| HR4043           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4044           |                                              |        |        | HR4043 (Lo-16bits)           |
| HR4045           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4046           |                                              |        |        | HR4045 (Lo-16bits)           |
| HR4047           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4048           |                                              |        |        | HR4047 (Lo-16bits)           |
| HR4049           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4050           |                                              |        |        | HR4049 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR4051           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR4052           |                                              |        |        | HR4051 (Lo-16bits)                                          |
| HR4053           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4054           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4055           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4056           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4057           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4058           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4059           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4060           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4061           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4062           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4063           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4064           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4065           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4066           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4067           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4068           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4069           | DOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4070           | DOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4071           | DOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4072           | DOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4073           | DOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4074           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4075           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4076           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4077           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4078           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4079           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4080           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4081           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4082           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4083           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4084           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4085           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4086           |                               |        |        | HR4085 (Lo-16bits)                                          |
| HR4087           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4088           |                               |        |        | HR4087 (Lo-16bits)                                          |
| HR4089           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4090           |                               |        |        | HR4089 (Lo-16bits)                                          |
| HR4091           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4092           |                               |        |        | HR4091 (Lo-16bits)                                          |
| HR4093           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4094           |                               |        |        | HR4093 (Lo-16bits)                                          |
| HR4095           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4096           |                               |        |        | HR4095 (Lo-16bits)                                          |
| HR4097           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4098           |                               |        |        | HR4097 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR4099           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4100           |                          |        |        | HR4099 (Lo-16bits)            |
| HR4101           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4102           |                          |        |        | HR4101 (Lo-16bits)            |
| HR4103           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4104           |                          |        |        | HR4103 (Lo-16bits)            |
| HR4105           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4106           |                          |        |        | HR4105 (Lo-16bits)            |
| HR4107           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4108           |                          |        |        | HR4107 (Lo-16bits)            |
| HR4109           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4110           |                          |        |        | HR4109 (Lo-16bits)            |
| HR4111           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4112           |                          |        |        | HR4111 (Lo-16bits)            |
| HR4113           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4114           |                          |        |        | HR4113 (Lo-16bits)            |
| HR4115           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4116           |                          |        |        | HR4115 (Lo-16bits)            |
| HR4117           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4118           |                          |        |        | HR4117 (Lo-16bits)            |
| HR4119           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4120           |                          |        |        | HR4119 (Lo-16bits)            |
| HR4121           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4122           |                          |        |        | HR4121 (Lo-16bits)            |
| HR4123           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4124           |                          |        |        | HR4123 (Lo-16bits)            |
| HR4125           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4126           |                          |        |        | HR4125 (Lo-16bits)            |
| HR4127           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4128           |                          |        |        | HR4127 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4129           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4130           |                                                    |        |        | HR4129 (Lo-16bits)          |
| HR4131           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4132           |                                                    |        |        | HR4131 (Lo-16bits)          |
| HR4133           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4134           |                                                    |        |        | HR4133 (Lo-16bits)          |
| HR4135           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4136           |                                                    |        |        | HR4135 (Lo-16bits)          |
| HR4137           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4138           |                                                    |        |        | HR4137 (Lo-16bits)          |
| HR4139           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4140           |                                                    |        |        | HR4139 (Lo-16bits)          |
| HR4141           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4142           |                                                    |        |        | HR4141 (Lo-16bits)          |
| HR4143           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4144           |                                                    |        |        | HR4143 (Lo-16bits)          |
| HR4145           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4146           |                                                    |        |        | HR4145 (Lo-16bits)          |
| HR4147           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4148           |                                                    |        |        | HR4147 (Lo-16bits)          |
| HR4149           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4150           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4151           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4152           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4153           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4154           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4155           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4156           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4157           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4158           |                                                                         |        |        | HR4157 (Lo-16bits)           |
| HR4159           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4160           |                                                                         |        |        | HR4159 (Lo-16bits)           |
| HR4161           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4162           |                                                                         |        |        | HR4161 (Lo-16bits)           |
| HR4163           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4164           |                                                                         |        |        | HR4163 (Lo-16bits)           |
| HR4165           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4166           |                                                                         |        |        | HR4165 (Lo-16bits)           |
| HR4167           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4168           |                                                                         |        |        | HR4167 (Lo-16bits)           |
| HR4169           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4170           |                                                                         |        |        | HR4169 (Lo-16bits)           |
| HR4171           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4172           |                                                                         |        |        | HR4171 (Lo-16bits)           |
| HR4173           | DOC3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR4174           | DOC3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR4175           | DOC3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR4176           | DOC3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR4177           | DOC3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR4178           | DOC3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4179           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4180           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4181           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4182           |                                            |        |        | HR4181 (Lo-16bits)          |
| HR4183           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4184           |                                            |        |        | HR4183 (Lo-16bits)          |
| HR4185           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4186           |                                            |        |        | HR4185 (Lo-16bits)          |
| HR4187           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4188           |                                            |        |        | HR4187 (Lo-16bits)          |
| HR4189           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4190           |                                            |        |        | HR4189 (Lo-16bits)          |
| HR4191           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4192           |                                            |        |        | HR4191 (Lo-16bits)          |
| HR4193           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4194           |                                            |        |        | HR4193 (Lo-16bits)          |
| HR4195           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4196           |                                            |        |        | HR4195 (Lo-16bits)          |
| HR4197           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4198           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4199           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4200           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4201           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4202           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4203           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR4204           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4205           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4206           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4207           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4208           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4209           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4210           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4211           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4212           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4213           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4214           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4215           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4216           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4217           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4218           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4219           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4220           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR4221           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4222           |                                  |        |        | HR4221 (Lo-16bits)             |
| HR4223           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4224           |                                  |        |        | HR4223 (Lo-16bits)             |
| HR4225           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4226           |                                  |        |        | HR4225 (Lo-16bits)             |
| HR4227           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4228           |                                  |        |        | HR4227 (Lo-16bits)             |
| HR4229           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4230           |                                  |        |        | HR4229 (Lo-16bits)             |
| HR4231           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4232           |                                  |        |        | HR4231 (Lo-16bits)             |
| HR4233           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4234           |                                  |        |        | HR4233 (Lo-16bits)             |
| HR4235           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4236           |                                  |        |        | HR4235 (Lo-16bits)             |
| HR4237           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4238           |                                  |        |        | HR4237 (Lo-16bits)             |
| HR4239           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4240           |                                  |        |        | HR4239 (Lo-16bits)             |
| HR4241           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4242           |                                  |        |        | HR4241 (Lo-16bits)             |
| HR4243           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4244           |                                  |        |        | HR4243 (Lo-16bits)             |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR4245           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4246           |                              |        |        | HR4245 (Lo-16bits)             |
| HR4247           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4248           |                              |        |        | HR4247 (Lo-16bits)             |
| HR4249           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4250           |                              |        |        | HR4249 (Lo-16bits)             |
| HR4251           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4252           |                              |        |        | HR4251 (Lo-16bits)             |
| HR4253           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4254           |                              |        |        | HR4253 (Lo-16bits)             |
| HR4255           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4256           |                              |        |        | HR4255 (Lo-16bits)             |
| HR4257           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4258           |                              |        |        | HR4257 (Lo-16bits)             |
| HR4259           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4260           |                              |        |        | HR4259 (Lo-16bits)             |
| HR4261           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4262           |                              |        |        | HR4261 (Lo-16bits)             |
| HR4263           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4264           |                              |        |        | HR4263 (Lo-16bits)             |
| HR4265           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4266           |                              |        |        | HR4265 (Lo-16bits)             |
| HR4267           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4268           |                              |        |        | HR4267 (Lo-16bits)             |
| HR4269           | DOC4:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR4270           | DOC4:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR4271           | DOC4:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR4272           | DOC4:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4273           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4274           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4275           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4276           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4277           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4278           |                                              |        |        | HR4277 (Lo-16bits)           |
| HR4279           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4280           |                                              |        |        | HR4279 (Lo-16bits)           |
| HR4281           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4282           |                                              |        |        | HR4281 (Lo-16bits)           |
| HR4283           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4284           |                                              |        |        | HR4283 (Lo-16bits)           |
| HR4285           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4286           |                                              |        |        | HR4285 (Lo-16bits)           |
| HR4287           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4288           |                                              |        |        | HR4287 (Lo-16bits)           |
| HR4289           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4290           |                                              |        |        | HR4289 (Lo-16bits)           |
| HR4291           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4292           |                                              |        |        | HR4291 (Lo-16bits)           |
| HR4293           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4294           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4295           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4296           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4297           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4298           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4299           | DOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4300           | DOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4301           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4302           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4303           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4304           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4305           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4306           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4307           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4308           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4309           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4310           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4311           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4312           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4313           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4314           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4315           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4316           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4317           | DOC4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4318           | DOC4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4319           | DOC4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR4320           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4321           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4322           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4323           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4324           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4325           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4326           |                               |        |        | HR4325 (Lo-16bits)            |
| HR4327           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4328           |                               |        |        | HR4327 (Lo-16bits)            |
| HR4329           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4330           |                               |        |        | HR4329 (Lo-16bits)            |
| HR4331           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4332           |                               |        |        | HR4331 (Lo-16bits)            |
| HR4333           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4334           |                               |        |        | HR4333 (Lo-16bits)            |
| HR4335           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4336           |                               |        |        | HR4335 (Lo-16bits)            |
| HR4337           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4338           |                               |        |        | HR4337 (Lo-16bits)            |
| HR4339           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4340           |                               |        |        | HR4339 (Lo-16bits)            |
| HR4341           | DOC4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4342           |                               |        |        | HR4341 (Lo-16bits)            |
| HR4343           | DOC4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4344           |                               |        |        | HR4343 (Lo-16bits)            |
| HR4345           | DOC4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4346           |                               |        |        | HR4345 (Lo-16bits)            |
| HR4347           | DOC4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4348           |                    |        |        | HR4347 (Lo-16bits)          |
| HR4349           | DOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4350           |                    |        |        | HR4349 (Lo-16bits)          |
| HR4351           | DOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4352           |                    |        |        | HR4351 (Lo-16bits)          |
| HR4353           | DOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4354           |                    |        |        | HR4353 (Lo-16bits)          |
| HR4355           | DOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4356           |                    |        |        | HR4355 (Lo-16bits)          |
| HR4357           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4358           |                    |        |        | HR4357 (Lo-16bits)          |
| HR4359           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4360           |                    |        |        | HR4359 (Lo-16bits)          |
| HR4361           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4362           |                    |        |        | HR4361 (Lo-16bits)          |
| HR4363           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4364           |                    |        |        | HR4363 (Lo-16bits)          |
| HR4365           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4366           |                    |        |        | HR4365 (Lo-16bits)          |
| HR4367           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4368           |                    |        |        | HR4367 (Lo-16bits)          |
| HR4369           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4370           |                    |        |        | HR4369 (Lo-16bits)          |
| HR4371           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4372           |                    |        |        | HR4371 (Lo-16bits)          |
| HR4373           | DOC4:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4374           |                    |        |        | HR4373 (Lo-16bits)          |
| HR4375           | DOC4:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4376           |                    |        |        | HR4375 (Lo-16bits)          |
| HR4377           | DOC4:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4378           |                                                                         |        |        | HR4377 (Lo-16bits)           |
| HR4379           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4380           |                                                                         |        |        | HR4379 (Lo-16bits)           |
| HR4381           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4382           |                                                                         |        |        | HR4381 (Lo-16bits)           |
| HR4383           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4384           |                                                                         |        |        | HR4383 (Lo-16bits)           |
| HR4385           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4386           |                                                                         |        |        | HR4385 (Lo-16bits)           |
| HR4387           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4388           |                                                                         |        |        | HR4387 (Lo-16bits)           |
| HR4389           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4390           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4391           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4392           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4393           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4394           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4395           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4396           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4397           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4398           |                                                                         |        |        | HR4397 (Lo-16bits)           |
| HR4399           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4400           |                                                                         |        |        | HR4399 (Lo-16bits)           |
| HR4401           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4402           |                                                                         |        |        | HR4401 (Lo-16bits)           |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR4403           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4404           |                                                |        |        | HR4403 (Lo-16bits)           |
| HR4405           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4406           |                                                |        |        | HR4405 (Lo-16bits)           |
| HR4407           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4408           |                                                |        |        | HR4407 (Lo-16bits)           |
| HR4409           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4410           |                                                |        |        | HR4409 (Lo-16bits)           |
| HR4411           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4412           |                                                |        |        | HR4411 (Lo-16bits)           |
| HR4413           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4414           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4415           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4416           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4417           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4418           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4419           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4420           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4421           | DOC4:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4422           |                                                |        |        | HR4421 (Lo-16bits)           |
| HR4423           | DOC4:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4424           |                                                |        |        | HR4423 (Lo-16bits)           |
| HR4425           | DOC4:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4426           |                                                |        |        | HR4425 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4427           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4428           |                                                    |        |        | HR4427 (Lo-16bits)          |
| HR4429           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4430           |                                                    |        |        | HR4429 (Lo-16bits)          |
| HR4431           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4432           |                                                    |        |        | HR4431 (Lo-16bits)          |
| HR4433           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4434           |                                                    |        |        | HR4433 (Lo-16bits)          |
| HR4435           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4436           |                                                    |        |        | HR4435 (Lo-16bits)          |
| HR4437           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4438           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4439           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4440           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4441           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4442           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4443           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4444           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4445           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4446           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4447           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4448           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4449           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4450           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4451           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4452           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4453           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4454           |                                                    |        |        | HR4453 (Lo-16bits)              |
| HR4455           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4456           |                                                    |        |        | HR4455 (Lo-16bits)              |
| HR4457           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4458           |                                                    |        |        | HR4457 (Lo-16bits)              |
| HR4459           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4460           |                                                    |        |        | HR4459 (Lo-16bits)              |
| HR4461           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4462           |                                                    |        |        | HR4461 (Lo-16bits)              |
| HR4463           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4464           |                                                    |        |        | HR4463 (Lo-16bits)              |
| HR4465           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4466           |                                                    |        |        | HR4465 (Lo-16bits)              |
| HR4467           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4468           |                                                    |        |        | HR4467 (Lo-16bits)              |
| HR4469           | NEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4470           | NEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4471           | NEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4472           | NEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4473           | NEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4474           | NEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4475           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4476           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4477           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4478           |                                              |        |        | HR4477 (Lo-16bits)           |
| HR4479           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4480           |                                              |        |        | HR4479 (Lo-16bits)           |
| HR4481           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4482           |                                              |        |        | HR4481 (Lo-16bits)           |
| HR4483           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4484           |                                              |        |        | HR4483 (Lo-16bits)           |
| HR4485           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4486           |                                              |        |        | HR4485 (Lo-16bits)           |
| HR4487           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4488           |                                              |        |        | HR4487 (Lo-16bits)           |
| HR4489           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4490           |                                              |        |        | HR4489 (Lo-16bits)           |
| HR4491           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4492           |                                              |        |        | HR4491 (Lo-16bits)           |
| HR4493           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4494           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4495           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4496           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4497           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4498           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4499           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4500           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4501           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4502           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4503           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4504           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4505           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4506           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4507           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4508           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4509           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4510           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4511           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4512           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4513           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4514           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4515           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4516           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4517           | NEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4518           | NEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4519           | NEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4520           | NEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR4521           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4522           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4523           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4524           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4525           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4526           |                               |        |        | HR4525 (Lo-16bits)            |
| HR4527           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4528           |                               |        |        | HR4527 (Lo-16bits)            |
| HR4529           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4530           |                               |        |        | HR4529 (Lo-16bits)            |
| HR4531           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4532           |                               |        |        | HR4531 (Lo-16bits)            |
| HR4533           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4534           |                               |        |        | HR4533 (Lo-16bits)            |
| HR4535           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4536           |                               |        |        | HR4535 (Lo-16bits)            |
| HR4537           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4538           |                               |        |        | HR4537 (Lo-16bits)            |
| HR4539           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4540           |                               |        |        | HR4539 (Lo-16bits)            |
| HR4541           | NEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4542           |                               |        |        | HR4541 (Lo-16bits)            |
| HR4543           | NEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4544           |                               |        |        | HR4543 (Lo-16bits)            |
| HR4545           | NEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4546           |                               |        |        | HR4545 (Lo-16bits)            |
| HR4547           | NEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4548           |                               |        |        | HR4547 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4549           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4550           |                    |        |        | HR4549 (Lo-16bits)          |
| HR4551           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4552           |                    |        |        | HR4551 (Lo-16bits)          |
| HR4553           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4554           |                    |        |        | HR4553 (Lo-16bits)          |
| HR4555           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4556           |                    |        |        | HR4555 (Lo-16bits)          |
| HR4557           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4558           |                    |        |        | HR4557 (Lo-16bits)          |
| HR4559           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4560           |                    |        |        | HR4559 (Lo-16bits)          |
| HR4561           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4562           |                    |        |        | HR4561 (Lo-16bits)          |
| HR4563           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4564           |                    |        |        | HR4563 (Lo-16bits)          |
| HR4565           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4566           |                    |        |        | HR4565 (Lo-16bits)          |
| HR4567           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4568           |                    |        |        | HR4567 (Lo-16bits)          |
| HR4569           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4570           |                    |        |        | HR4569 (Lo-16bits)          |
| HR4571           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4572           |                    |        |        | HR4571 (Lo-16bits)          |
| HR4573           | NEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4574           |                    |        |        | HR4573 (Lo-16bits)          |
| HR4575           | NEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4576           |                    |        |        | HR4575 (Lo-16bits)          |
| HR4577           | NEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4578           |                    |        |        | HR4577 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4579           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4580           |                                                                         |        |        | HR4579 (Lo-16bits)           |
| HR4581           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4582           |                                                                         |        |        | HR4581 (Lo-16bits)           |
| HR4583           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4584           |                                                                         |        |        | HR4583 (Lo-16bits)           |
| HR4585           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4586           |                                                                         |        |        | HR4585 (Lo-16bits)           |
| HR4587           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4588           |                                                                         |        |        | HR4587 (Lo-16bits)           |
| HR4589           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4590           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4591           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4592           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4593           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4594           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4595           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4596           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4597           | NEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4598           |                                                                         |        |        | HR4597 (Lo-16bits)           |
| HR4599           | NEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4600           |                                                                         |        |        | HR4599 (Lo-16bits)           |
| HR4601           | NEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4602           |                                                                         |        |        | HR4601 (Lo-16bits)           |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR4603           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4604           |                                                |        |        | HR4603 (Lo-16bits)           |
| HR4605           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4606           |                                                |        |        | HR4605 (Lo-16bits)           |
| HR4607           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4608           |                                                |        |        | HR4607 (Lo-16bits)           |
| HR4609           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4610           |                                                |        |        | HR4609 (Lo-16bits)           |
| HR4611           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4612           |                                                |        |        | HR4611 (Lo-16bits)           |
| HR4613           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4614           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4615           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4616           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4617           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4618           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4619           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4620           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4621           | NEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4622           |                                                |        |        | HR4621 (Lo-16bits)           |
| HR4623           | NEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4624           |                                                |        |        | HR4623 (Lo-16bits)           |
| HR4625           | NEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4626           |                                                |        |        | HR4625 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4627           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4628           |                                                    |        |        | HR4627 (Lo-16bits)          |
| HR4629           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4630           |                                                    |        |        | HR4629 (Lo-16bits)          |
| HR4631           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4632           |                                                    |        |        | HR4631 (Lo-16bits)          |
| HR4633           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4634           |                                                    |        |        | HR4633 (Lo-16bits)          |
| HR4635           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4636           |                                                    |        |        | HR4635 (Lo-16bits)          |
| HR4637           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4638           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4639           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4640           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4641           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4642           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4643           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4644           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4645           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4646           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4647           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4648           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4649           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4650           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4651           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4652           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4653           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4654           |                                                    |        |        | HR4653 (Lo-16bits)              |
| HR4655           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4656           |                                                    |        |        | HR4655 (Lo-16bits)              |
| HR4657           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4658           |                                                    |        |        | HR4657 (Lo-16bits)              |
| HR4659           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4660           |                                                    |        |        | HR4659 (Lo-16bits)              |
| HR4661           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4662           |                                                    |        |        | HR4661 (Lo-16bits)              |
| HR4663           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4664           |                                                    |        |        | HR4663 (Lo-16bits)              |
| HR4665           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4666           |                                                    |        |        | HR4665 (Lo-16bits)              |
| HR4667           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4668           |                                                    |        |        | HR4667 (Lo-16bits)              |
| HR4669           | NEF2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4670           | NEF2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4671           | NEF2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4672           | NEF2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4673           | NEF2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4674           | NEF2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4675           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4676           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4677           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4678           |                                              |        |        | HR4677 (Lo-16bits)           |
| HR4679           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4680           |                                              |        |        | HR4679 (Lo-16bits)           |
| HR4681           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4682           |                                              |        |        | HR4681 (Lo-16bits)           |
| HR4683           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4684           |                                              |        |        | HR4683 (Lo-16bits)           |
| HR4685           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4686           |                                              |        |        | HR4685 (Lo-16bits)           |
| HR4687           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4688           |                                              |        |        | HR4687 (Lo-16bits)           |
| HR4689           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4690           |                                              |        |        | HR4689 (Lo-16bits)           |
| HR4691           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4692           |                                              |        |        | HR4691 (Lo-16bits)           |
| HR4693           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4694           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4695           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4696           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4697           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4698           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4699           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4700           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4701           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4702           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4703           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4704           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4705           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4706           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4707           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4708           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4709           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4710           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4711           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4712           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4713           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4714           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4715           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4716           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4717           | NEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4718           | NEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4719           | NEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4720           | NEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR4721           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4722           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4723           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4724           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4725           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4726           |                               |        |        | HR4725 (Lo-16bits)            |
| HR4727           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4728           |                               |        |        | HR4727 (Lo-16bits)            |
| HR4729           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4730           |                               |        |        | HR4729 (Lo-16bits)            |
| HR4731           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4732           |                               |        |        | HR4731 (Lo-16bits)            |
| HR4733           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4734           |                               |        |        | HR4733 (Lo-16bits)            |
| HR4735           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4736           |                               |        |        | HR4735 (Lo-16bits)            |
| HR4737           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4738           |                               |        |        | HR4737 (Lo-16bits)            |
| HR4739           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4740           |                               |        |        | HR4739 (Lo-16bits)            |
| HR4741           | NEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4742           |                               |        |        | HR4741 (Lo-16bits)            |
| HR4743           | NEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4744           |                               |        |        | HR4743 (Lo-16bits)            |
| HR4745           | NEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4746           |                               |        |        | HR4745 (Lo-16bits)            |
| HR4747           | NEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4748           |                               |        |        | HR4747 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4749           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4750           |                    |        |        | HR4749 (Lo-16bits)          |
| HR4751           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4752           |                    |        |        | HR4751 (Lo-16bits)          |
| HR4753           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4754           |                    |        |        | HR4753 (Lo-16bits)          |
| HR4755           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4756           |                    |        |        | HR4755 (Lo-16bits)          |
| HR4757           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4758           |                    |        |        | HR4757 (Lo-16bits)          |
| HR4759           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4760           |                    |        |        | HR4759 (Lo-16bits)          |
| HR4761           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4762           |                    |        |        | HR4761 (Lo-16bits)          |
| HR4763           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4764           |                    |        |        | HR4763 (Lo-16bits)          |
| HR4765           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4766           |                    |        |        | HR4765 (Lo-16bits)          |
| HR4767           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4768           |                    |        |        | HR4767 (Lo-16bits)          |
| HR4769           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4770           |                    |        |        | HR4769 (Lo-16bits)          |
| HR4771           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4772           |                    |        |        | HR4771 (Lo-16bits)          |
| HR4773           | NEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4774           |                    |        |        | HR4773 (Lo-16bits)          |
| HR4775           | NEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4776           |                    |        |        | HR4775 (Lo-16bits)          |
| HR4777           | NEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4778           |                    |        |        | HR4777 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4779           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4780           |                                                                         |        |        | HR4779 (Lo-16bits)           |
| HR4781           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4782           |                                                                         |        |        | HR4781 (Lo-16bits)           |
| HR4783           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4784           |                                                                         |        |        | HR4783 (Lo-16bits)           |
| HR4785           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4786           |                                                                         |        |        | HR4785 (Lo-16bits)           |
| HR4787           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4788           |                                                                         |        |        | HR4787 (Lo-16bits)           |
| HR4789           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4790           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4791           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4792           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4793           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4794           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4795           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4796           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4797           | NEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4798           |                                                                         |        |        | HR4797 (Lo-16bits)           |
| HR4799           | NEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4800           |                                                                         |        |        | HR4799 (Lo-16bits)           |
| HR4801           | NEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4802           |                                                                         |        |        | HR4801 (Lo-16bits)           |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR4803           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4804           |                                                |        |        | HR4803 (Lo-16bits)           |
| HR4805           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4806           |                                                |        |        | HR4805 (Lo-16bits)           |
| HR4807           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4808           |                                                |        |        | HR4807 (Lo-16bits)           |
| HR4809           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4810           |                                                |        |        | HR4809 (Lo-16bits)           |
| HR4811           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4812           |                                                |        |        | HR4811 (Lo-16bits)           |
| HR4813           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4814           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4815           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4816           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4817           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4818           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4819           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4820           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4821           | NEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4822           |                                                |        |        | HR4821 (Lo-16bits)           |
| HR4823           | NEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4824           |                                                |        |        | HR4823 (Lo-16bits)           |
| HR4825           | NEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4826           |                                                |        |        | HR4825 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4827           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4828           |                                                    |        |        | HR4827 (Lo-16bits)          |
| HR4829           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4830           |                                                    |        |        | HR4829 (Lo-16bits)          |
| HR4831           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4832           |                                                    |        |        | HR4831 (Lo-16bits)          |
| HR4833           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4834           |                                                    |        |        | HR4833 (Lo-16bits)          |
| HR4835           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4836           |                                                    |        |        | HR4835 (Lo-16bits)          |
| HR4837           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4838           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4839           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4840           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4841           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4842           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4843           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4844           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4845           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4846           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4847           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4848           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4849           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4850           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4851           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4852           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4853           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4854           |                                                    |        |        | HR4853 (Lo-16bits)              |
| HR4855           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4856           |                                                    |        |        | HR4855 (Lo-16bits)              |
| HR4857           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4858           |                                                    |        |        | HR4857 (Lo-16bits)              |
| HR4859           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4860           |                                                    |        |        | HR4859 (Lo-16bits)              |
| HR4861           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4862           |                                                    |        |        | HR4861 (Lo-16bits)              |
| HR4863           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4864           |                                                    |        |        | HR4863 (Lo-16bits)              |
| HR4865           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4866           |                                                    |        |        | HR4865 (Lo-16bits)              |
| HR4867           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4868           |                                                    |        |        | HR4867 (Lo-16bits)              |
| HR4869           | NEF3:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4870           | NEF3:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4871           | NEF3:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4872           | NEF3:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4873           | NEF3:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4874           | NEF3:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4875           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4876           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4877           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4878           |                                              |        |        | HR4877 (Lo-16bits)           |
| HR4879           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4880           |                                              |        |        | HR4879 (Lo-16bits)           |
| HR4881           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4882           |                                              |        |        | HR4881 (Lo-16bits)           |
| HR4883           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4884           |                                              |        |        | HR4883 (Lo-16bits)           |
| HR4885           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4886           |                                              |        |        | HR4885 (Lo-16bits)           |
| HR4887           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4888           |                                              |        |        | HR4887 (Lo-16bits)           |
| HR4889           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4890           |                                              |        |        | HR4889 (Lo-16bits)           |
| HR4891           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4892           |                                              |        |        | HR4891 (Lo-16bits)           |
| HR4893           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4894           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4895           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4896           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4897           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4898           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4899           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4900           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4901           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4902           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4903           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4904           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4905           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4906           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4907           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4908           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4909           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4910           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4911           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4912           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4913           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4914           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4915           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4916           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4917           | NEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4918           | NEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4919           | NEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4920           | NEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR4921           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4922           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4923           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4924           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4925           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4926           |                               |        |        | HR4925 (Lo-16bits)            |
| HR4927           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4928           |                               |        |        | HR4927 (Lo-16bits)            |
| HR4929           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4930           |                               |        |        | HR4929 (Lo-16bits)            |
| HR4931           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4932           |                               |        |        | HR4931 (Lo-16bits)            |
| HR4933           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4934           |                               |        |        | HR4933 (Lo-16bits)            |
| HR4935           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4936           |                               |        |        | HR4935 (Lo-16bits)            |
| HR4937           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4938           |                               |        |        | HR4937 (Lo-16bits)            |
| HR4939           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4940           |                               |        |        | HR4939 (Lo-16bits)            |
| HR4941           | NEF3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4942           |                               |        |        | HR4941 (Lo-16bits)            |
| HR4943           | NEF3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4944           |                               |        |        | HR4943 (Lo-16bits)            |
| HR4945           | NEF3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4946           |                               |        |        | HR4945 (Lo-16bits)            |
| HR4947           | NEF3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4948           |                               |        |        | HR4947 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4949           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4950           |                    |        |        | HR4949 (Lo-16bits)          |
| HR4951           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4952           |                    |        |        | HR4951 (Lo-16bits)          |
| HR4953           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4954           |                    |        |        | HR4953 (Lo-16bits)          |
| HR4955           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4956           |                    |        |        | HR4955 (Lo-16bits)          |
| HR4957           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4958           |                    |        |        | HR4957 (Lo-16bits)          |
| HR4959           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4960           |                    |        |        | HR4959 (Lo-16bits)          |
| HR4961           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4962           |                    |        |        | HR4961 (Lo-16bits)          |
| HR4963           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4964           |                    |        |        | HR4963 (Lo-16bits)          |
| HR4965           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4966           |                    |        |        | HR4965 (Lo-16bits)          |
| HR4967           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4968           |                    |        |        | HR4967 (Lo-16bits)          |
| HR4969           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4970           |                    |        |        | HR4969 (Lo-16bits)          |
| HR4971           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4972           |                    |        |        | HR4971 (Lo-16bits)          |
| HR4973           | NEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4974           |                    |        |        | HR4973 (Lo-16bits)          |
| HR4975           | NEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4976           |                    |        |        | HR4975 (Lo-16bits)          |
| HR4977           | NEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4978           |                    |        |        | HR4977 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4979           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4980           |                                                                         |        |        | HR4979 (Lo-16bits)           |
| HR4981           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4982           |                                                                         |        |        | HR4981 (Lo-16bits)           |
| HR4983           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4984           |                                                                         |        |        | HR4983 (Lo-16bits)           |
| HR4985           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4986           |                                                                         |        |        | HR4985 (Lo-16bits)           |
| HR4987           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4988           |                                                                         |        |        | HR4987 (Lo-16bits)           |
| HR4989           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4990           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4991           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4992           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4993           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4994           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4995           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4996           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4997           | NEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4998           |                                                                         |        |        | HR4997 (Lo-16bits)           |
| HR4999           | NEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5000           |                                                                         |        |        | HR4999 (Lo-16bits)           |
| HR5001           | NEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5002           |                                                                         |        |        | HR5001 (Lo-16bits)           |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5003           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5004           |                                                |        |        | HR5003 (Lo-16bits)           |
| HR5005           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5006           |                                                |        |        | HR5005 (Lo-16bits)           |
| HR5007           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5008           |                                                |        |        | HR5007 (Lo-16bits)           |
| HR5009           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5010           |                                                |        |        | HR5009 (Lo-16bits)           |
| HR5011           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5012           |                                                |        |        | HR5011 (Lo-16bits)           |
| HR5013           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5014           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5015           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5016           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5017           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5018           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5019           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5020           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5021           | NEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5022           |                                                |        |        | HR5021 (Lo-16bits)           |
| HR5023           | NEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5024           |                                                |        |        | HR5023 (Lo-16bits)           |
| HR5025           | NEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5026           |                                                |        |        | HR5025 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5027           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5028           |                                                    |        |        | HR5027 (Lo-16bits)          |
| HR5029           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5030           |                                                    |        |        | HR5029 (Lo-16bits)          |
| HR5031           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5032           |                                                    |        |        | HR5031 (Lo-16bits)          |
| HR5033           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5034           |                                                    |        |        | HR5033 (Lo-16bits)          |
| HR5035           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5036           |                                                    |        |        | HR5035 (Lo-16bits)          |
| HR5037           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5038           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5039           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5040           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5041           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5042           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5043           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5044           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5045           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5046           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5047           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5048           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR5049           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5050           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5051           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5052           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5053           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5054           |                                                    |        |        | HR5053 (Lo-16bits)              |
| HR5055           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5056           |                                                    |        |        | HR5055 (Lo-16bits)              |
| HR5057           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5058           |                                                    |        |        | HR5057 (Lo-16bits)              |
| HR5059           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5060           |                                                    |        |        | HR5059 (Lo-16bits)              |
| HR5061           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5062           |                                                    |        |        | HR5061 (Lo-16bits)              |
| HR5063           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5064           |                                                    |        |        | HR5063 (Lo-16bits)              |
| HR5065           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5066           |                                                    |        |        | HR5065 (Lo-16bits)              |
| HR5067           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5068           |                                                    |        |        | HR5067 (Lo-16bits)              |
| HR5069           | NEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5070           | NEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5071           | NEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5072           | NEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5073           | NEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5074           | NEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR5075           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR5076           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR5077           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5078           |                                              |        |        | HR5077 (Lo-16bits)           |
| HR5079           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5080           |                                              |        |        | HR5079 (Lo-16bits)           |
| HR5081           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5082           |                                              |        |        | HR5081 (Lo-16bits)           |
| HR5083           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5084           |                                              |        |        | HR5083 (Lo-16bits)           |
| HR5085           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5086           |                                              |        |        | HR5085 (Lo-16bits)           |
| HR5087           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5088           |                                              |        |        | HR5087 (Lo-16bits)           |
| HR5089           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5090           |                                              |        |        | HR5089 (Lo-16bits)           |
| HR5091           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5092           |                                              |        |        | HR5091 (Lo-16bits)           |
| HR5093           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5094           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5095           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5096           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5097           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5098           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5099           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5100           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5101           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5102           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5103           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5104           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5105           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5106           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5107           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5108           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5109           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5110           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5111           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5112           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5113           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5114           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5115           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5116           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5117           | NEF4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5118           | NEF4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5119           | NEF4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5120           | NEF4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR5121           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5122           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5123           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5124           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5125           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5126           |                               |        |        | HR5125 (Lo-16bits)            |
| HR5127           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5128           |                               |        |        | HR5127 (Lo-16bits)            |
| HR5129           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5130           |                               |        |        | HR5129 (Lo-16bits)            |
| HR5131           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5132           |                               |        |        | HR5131 (Lo-16bits)            |
| HR5133           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5134           |                               |        |        | HR5133 (Lo-16bits)            |
| HR5135           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5136           |                               |        |        | HR5135 (Lo-16bits)            |
| HR5137           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5138           |                               |        |        | HR5137 (Lo-16bits)            |
| HR5139           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5140           |                               |        |        | HR5139 (Lo-16bits)            |
| HR5141           | NEF4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5142           |                               |        |        | HR5141 (Lo-16bits)            |
| HR5143           | NEF4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5144           |                               |        |        | HR5143 (Lo-16bits)            |
| HR5145           | NEF4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5146           |                               |        |        | HR5145 (Lo-16bits)            |
| HR5147           | NEF4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5148           |                               |        |        | HR5147 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5149           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5150           |                    |        |        | HR5149 (Lo-16bits)          |
| HR5151           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5152           |                    |        |        | HR5151 (Lo-16bits)          |
| HR5153           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5154           |                    |        |        | HR5153 (Lo-16bits)          |
| HR5155           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5156           |                    |        |        | HR5155 (Lo-16bits)          |
| HR5157           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5158           |                    |        |        | HR5157 (Lo-16bits)          |
| HR5159           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5160           |                    |        |        | HR5159 (Lo-16bits)          |
| HR5161           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5162           |                    |        |        | HR5161 (Lo-16bits)          |
| HR5163           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5164           |                    |        |        | HR5163 (Lo-16bits)          |
| HR5165           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5166           |                    |        |        | HR5165 (Lo-16bits)          |
| HR5167           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5168           |                    |        |        | HR5167 (Lo-16bits)          |
| HR5169           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5170           |                    |        |        | HR5169 (Lo-16bits)          |
| HR5171           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5172           |                    |        |        | HR5171 (Lo-16bits)          |
| HR5173           | NEF4:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5174           |                    |        |        | HR5173 (Lo-16bits)          |
| HR5175           | NEF4:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5176           |                    |        |        | HR5175 (Lo-16bits)          |
| HR5177           | NEF4:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5178           |                    |        |        | HR5177 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5179           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5180           |                                                                         |        |        | HR5179 (Lo-16bits)           |
| HR5181           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5182           |                                                                         |        |        | HR5181 (Lo-16bits)           |
| HR5183           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5184           |                                                                         |        |        | HR5183 (Lo-16bits)           |
| HR5185           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5186           |                                                                         |        |        | HR5185 (Lo-16bits)           |
| HR5187           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5188           |                                                                         |        |        | HR5187 (Lo-16bits)           |
| HR5189           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5190           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5191           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5192           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5193           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5194           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5195           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5196           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5197           | NEF4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5198           |                                                                         |        |        | HR5197 (Lo-16bits)           |
| HR5199           | NEF4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5200           |                                                                         |        |        | HR5199 (Lo-16bits)           |
| HR5201           | NEF4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5202           |                                                                         |        |        | HR5201 (Lo-16bits)           |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5203           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5204           |                                                |        |        | HR5203 (Lo-16bits)           |
| HR5205           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5206           |                                                |        |        | HR5205 (Lo-16bits)           |
| HR5207           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5208           |                                                |        |        | HR5207 (Lo-16bits)           |
| HR5209           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5210           |                                                |        |        | HR5209 (Lo-16bits)           |
| HR5211           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5212           |                                                |        |        | HR5211 (Lo-16bits)           |
| HR5213           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5214           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5215           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5216           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5217           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5218           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5219           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5220           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5221           | NEF4:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5222           |                                                |        |        | HR5221 (Lo-16bits)           |
| HR5223           | NEF4:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5224           |                                                |        |        | HR5223 (Lo-16bits)           |
| HR5225           | NEF4:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5226           |                                                |        |        | HR5225 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5227           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5228           |                                                    |        |        | HR5227 (Lo-16bits)          |
| HR5229           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5230           |                                                    |        |        | HR5229 (Lo-16bits)          |
| HR5231           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5232           |                                                    |        |        | HR5231 (Lo-16bits)          |
| HR5233           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5234           |                                                    |        |        | HR5233 (Lo-16bits)          |
| HR5235           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5236           |                                                    |        |        | HR5235 (Lo-16bits)          |
| HR5237           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5238           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5239           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5240           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5241           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5242           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5243           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5244           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5245           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5246           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5247           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5248           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR5249           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5250           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5251           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5252           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5253           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5254           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5255           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5256           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5257           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5258           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5259           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5260           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5261           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5262           |                                                    |        |        | HR5261 (Lo-16bits)                                          |
| HR5263           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5264           |                                                    |        |        | HR5263 (Lo-16bits)                                          |
| HR5265           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5266           |                                                    |        |        | HR5265 (Lo-16bits)                                          |
| HR5267           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5268           |                                                    |        |        | HR5267 (Lo-16bits)                                          |
| HR5269           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5270           |                                                    |        |        | HR5269 (Lo-16bits)                                          |
| HR5271           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |

| Holding Register | Parameter                                   | Access | Length |                                |
|------------------|---------------------------------------------|--------|--------|--------------------------------|
| HR5272           |                                             |        |        | HR5271 (Lo-16bits)             |
| HR5273           | DEF1:Pick-up setting I0set>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5274           |                                             |        |        | HR5273 (Lo-16bits)             |
| HR5275           | DEF1:Pick-up setting I0set>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5276           |                                             |        |        | HR5275 (Lo-16bits)             |
| HR5277           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5278           |                                             |        |        | HR5277 (Lo-16bits)             |
| HR5279           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5280           |                                             |        |        | HR5279 (Lo-16bits)             |
| HR5281           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5282           |                                             |        |        | HR5281 (Lo-16bits)             |
| HR5283           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5284           |                                             |        |        | HR5283 (Lo-16bits)             |
| HR5285           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5286           |                                             |        |        | HR5285 (Lo-16bits)             |
| HR5287           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5288           |                                             |        |        | HR5287 (Lo-16bits)             |
| HR5289           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5290           |                                             |        |        | HR5289 (Lo-16bits)             |
| HR5291           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5292           |                                             |        |        | HR5291 (Lo-16bits)             |
| HR5293           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5294           |                                             |        |        | HR5293 (Lo-16bits)             |
| HR5295           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                   | Access | Length |                                |
|------------------|---------------------------------------------|--------|--------|--------------------------------|
| HR5296           |                                             |        |        | HR5295 (Lo-16bits)             |
| HR5297           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5298           |                                             |        |        | HR5297 (Lo-16bits)             |
| HR5299           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5300           |                                             |        |        | HR5299 (Lo-16bits)             |
| HR5301           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5302           |                                             |        |        | HR5301 (Lo-16bits)             |
| HR5303           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5304           |                                             |        |        | HR5303 (Lo-16bits)             |
| HR5305           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5306           |                                             |        |        | HR5305 (Lo-16bits)             |
| HR5307           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5308           |                                             |        |        | HR5307 (Lo-16bits)             |
| HR5309           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5310           |                                             |        |        | HR5309 (Lo-16bits)             |
| HR5311           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5312           |                                             |        |        | HR5311 (Lo-16bits)             |
| HR5313           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5314           |                                             |        |        | HR5313 (Lo-16bits)             |
| HR5315           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5316           |                                             |        |        | HR5315 (Lo-16bits)             |
| HR5317           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5318           |                                             |        |        | HR5317 (Lo-16bits)             |
| HR5319           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                                  | Access | Length |                              |
|------------------|------------------------------------------------------------|--------|--------|------------------------------|
| HR5320           |                                                            |        |        | HR5319 (Lo-16bits)           |
| HR5321           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5322           |                                                            |        |        | HR5321 (Lo-16bits)           |
| HR5323           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5324           |                                                            |        |        | HR5323 (Lo-16bits)           |
| HR5325           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5326           |                                                            |        |        | HR5325 (Lo-16bits)           |
| HR5327           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5328           |                                                            |        |        | HR5327 (Lo-16bits)           |
| HR5329           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5330           |                                                            |        |        | HR5329 (Lo-16bits)           |
| HR5331           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5332           |                                                            |        |        | HR5331 (Lo-16bits)           |
| HR5333           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5334           |                                                            |        |        | HR5333 (Lo-16bits)           |
| HR5335           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5336           |                                                            |        |        | HR5335 (Lo-16bits)           |
| HR5337           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5338           |                                                            |        |        | HR5337 (Lo-16bits)           |
| HR5339           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5340           |                                                            |        |        | HR5339 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR5341           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5342           |                                                |        |        | HR5341 (Lo-16bits)          |
| HR5343           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5344           |                                                |        |        | HR5343 (Lo-16bits)          |
| HR5345           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5346           |                                                |        |        | HR5345 (Lo-16bits)          |
| HR5347           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5348           |                                                |        |        | HR5347 (Lo-16bits)          |
| HR5349           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5350           |                                                |        |        | HR5349 (Lo-16bits)          |
| HR5351           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5352           |                                                |        |        | HR5351 (Lo-16bits)          |
| HR5353           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5354           |                                                |        |        | HR5353 (Lo-16bits)          |
| HR5355           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5356           |                                                |        |        | HR5355 (Lo-16bits)          |
| HR5357           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5358           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5359           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5360           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5361           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5362           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5363           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5364           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5365           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5366           |                                               |        |        | HR5365 (Lo-16bits)             |
| HR5367           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5368           |                                               |        |        | HR5367 (Lo-16bits)             |
| HR5369           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5370           |                                               |        |        | HR5369 (Lo-16bits)             |
| HR5371           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5372           |                                               |        |        | HR5371 (Lo-16bits)             |
| HR5373           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5374           |                                               |        |        | HR5373 (Lo-16bits)             |
| HR5375           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5376           |                                               |        |        | HR5375 (Lo-16bits)             |
| HR5377           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5378           |                                               |        |        | HR5377 (Lo-16bits)             |
| HR5379           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5380           |                                               |        |        | HR5379 (Lo-16bits)             |
| HR5381           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5382           |                                               |        |        | HR5381 (Lo-16bits)             |
| HR5383           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5384           |                                               |        |        | HR5383 (Lo-16bits)             |
| HR5385           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5386           |                                               |        |        | HR5385 (Lo-16bits)             |
| HR5387           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5388           |                                               |        |        | HR5387 (Lo-16bits)             |
| HR5389           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5390           |                                               |        |        | HR5389 (Lo-16bits)             |



| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5391           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5392           |                                               |        |        | HR5391 (Lo-16bits)             |
| HR5393           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5394           |                                               |        |        | HR5393 (Lo-16bits)             |
| HR5395           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5396           |                                               |        |        | HR5395 (Lo-16bits)             |
| HR5397           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5398           |                                               |        |        | HR5397 (Lo-16bits)             |
| HR5399           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5400           |                                               |        |        | HR5399 (Lo-16bits)             |
| HR5401           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5402           |                                               |        |        | HR5401 (Lo-16bits)             |
| HR5403           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5404           |                                               |        |        | HR5403 (Lo-16bits)             |
| HR5405           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5406           |                                               |        |        | HR5405 (Lo-16bits)             |
| HR5407           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5408           |                                               |        |        | HR5407 (Lo-16bits)             |
| HR5409           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5410           |                                               |        |        | HR5409 (Lo-16bits)             |
| HR5411           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5412           |                                               |        |        | HR5411 (Lo-16bits)             |
| HR5413           | DEF1:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5414           |                                               |        |        | HR5413 (Lo-16bits)             |
| HR5415           | DEF1:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |

| Holding Register | Parameter                                     | Access | Length |                                                       |
|------------------|-----------------------------------------------|--------|--------|-------------------------------------------------------|
| HR5416           |                                               |        |        | HR5415 (Lo-16bits)                                    |
| HR5417           | DEF1:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                           |
| HR5418           |                                               |        |        | HR5417 (Lo-16bits)                                    |
| HR5419           | DEF1:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                           |
| HR5420           |                                               |        |        | HR5419 (Lo-16bits)                                    |
| HR5421           | DEF1:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                           |
| HR5422           |                                               |        |        | HR5421 (Lo-16bits)                                    |
| HR5423           | DEF1:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                           |
| HR5424           |                                               |        |        | HR5423 (Lo-16bits)                                    |
| HR5425           | DEF1:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                           |
| HR5426           |                                               |        |        | HR5425 (Lo-16bits)                                    |
| HR5427           | DEF1:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                           |
| HR5428           |                                               |        |        | HR5427 (Lo-16bits)                                    |
| HR5429           | DEF1:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR5430           |                                               |        |        | HR5429 (Lo-16bits)                                    |
| HR5431           | DEF1:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR5432           |                                               |        |        | HR5431 (Lo-16bits)                                    |
| HR5433           | DEF1:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR5434           |                                               |        |        | HR5433 (Lo-16bits)                                    |
| HR5435           | DEF1:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR5436           |                                               |        |        | HR5435 (Lo-16bits)                                    |
| HR5437           | DEF1:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR5438           |                                               |        |        | HR5437 (Lo-16bits)                                    |
| HR5439           | DEF1:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR5440           |                                               |        |        | HR5439 (Lo-16bits)                                    |
| HR5441           | DEF1:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR5442           |                                               |        |        | HR5441 (Lo-16bits)                                    |
| HR5443           | DEF1:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR5444           |                                               |        |        | HR5443 (Lo-16bits)                                    |
| HR5445           | DEF1:Delay type of broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |

| Holding Register | Parameter                                       | Access | Length |                                                        |
|------------------|-------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5446           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5447           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5448           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5449           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5450           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5451           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5452           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5453           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5454           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5455           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5456           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5457           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5458           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5459           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5460           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5461           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5462           |                                                 |        |        | HR5461 (Lo-16bits)                                     |
| HR5463           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5464           |                                                 |        |        | HR5463 (Lo-16bits)                                     |
| HR5465           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5466           |                                                 |        |        | HR5465 (Lo-16bits)                                     |
| HR5467           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5468           |                                                 |        |        | HR5467 (Lo-16bits)                                     |
| HR5469           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR5470           |                                                 |        |        | HR5469 (Lo-16bits)           |
| HR5471           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5472           |                                                 |        |        | HR5471 (Lo-16bits)           |
| HR5473           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5474           |                                                 |        |        | HR5473 (Lo-16bits)           |
| HR5475           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5476           |                                                 |        |        | HR5475 (Lo-16bits)           |
| HR5477           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5478           |                                                 |        |        | HR5477 (Lo-16bits)           |
| HR5479           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5480           |                                                 |        |        | HR5479 (Lo-16bits)           |
| HR5481           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5482           |                                                 |        |        | HR5481 (Lo-16bits)           |
| HR5483           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5484           |                                                 |        |        | HR5483 (Lo-16bits)           |
| HR5485           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5486           |                                                 |        |        | HR5485 (Lo-16bits)           |
| HR5487           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5488           |                                                 |        |        | HR5487 (Lo-16bits)           |
| HR5489           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5490           |                                                 |        |        | HR5489 (Lo-16bits)           |
| HR5491           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5492           |                                                 |        |        | HR5491 (Lo-16bits)           |
| HR5493           | DEF1:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR5494           |                                              |        |        | HR5493 (Lo-16bits)           |
| HR5495           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5496           |                                              |        |        | HR5495 (Lo-16bits)           |
| HR5497           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5498           |                                              |        |        | HR5497 (Lo-16bits)           |
| HR5499           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5500           |                                              |        |        | HR5499 (Lo-16bits)           |
| HR5501           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5502           |                                              |        |        | HR5501 (Lo-16bits)           |
| HR5503           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5504           |                                              |        |        | HR5503 (Lo-16bits)           |
| HR5505           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5506           |                                              |        |        | HR5505 (Lo-16bits)           |
| HR5507           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5508           |                                              |        |        | HR5507 (Lo-16bits)           |
| HR5509           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5510           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5511           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5512           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5513           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5514           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5515           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5516           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5517           | DEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5518           | DEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5519           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5520           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5521           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5522           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5523           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5524           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5525           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5526           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5527           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5528           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5529           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5530           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5531           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5532           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5533           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5534           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5535           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5536           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5537           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5538           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR5539           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5540           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5541           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5542           |                               |        |        | HR5541 (Lo-16bits)            |
| HR5543           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5544           |                               |        |        | HR5543 (Lo-16bits)            |
| HR5545           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5546           |                               |        |        | HR5545 (Lo-16bits)            |
| HR5547           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5548           |                               |        |        | HR5547 (Lo-16bits)            |
| HR5549           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5550           |                               |        |        | HR5549 (Lo-16bits)            |
| HR5551           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5552           |                               |        |        | HR5551 (Lo-16bits)            |
| HR5553           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5554           |                               |        |        | HR5553 (Lo-16bits)            |
| HR5555           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5556           |                               |        |        | HR5555 (Lo-16bits)            |
| HR5557           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5558           |                               |        |        | HR5557 (Lo-16bits)            |
| HR5559           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5560           |                               |        |        | HR5559 (Lo-16bits)            |
| HR5561           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5562           |                               |        |        | HR5561 (Lo-16bits)            |
| HR5563           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5564           |                               |        |        | HR5563 (Lo-16bits)            |
| HR5565           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5566           |                               |        |        | HR5565 (Lo-16bits)            |
| HR5567           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5568           |                    |        |        | HR5567 (Lo-16bits)          |
| HR5569           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5570           |                    |        |        | HR5569 (Lo-16bits)          |
| HR5571           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5572           |                    |        |        | HR5571 (Lo-16bits)          |
| HR5573           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5574           |                    |        |        | HR5573 (Lo-16bits)          |
| HR5575           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5576           |                    |        |        | HR5575 (Lo-16bits)          |
| HR5577           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5578           |                    |        |        | HR5577 (Lo-16bits)          |
| HR5579           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5580           |                    |        |        | HR5579 (Lo-16bits)          |
| HR5581           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5582           |                    |        |        | HR5581 (Lo-16bits)          |
| HR5583           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5584           |                    |        |        | HR5583 (Lo-16bits)          |
| HR5585           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5586           |                    |        |        | HR5585 (Lo-16bits)          |
| HR5587           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5588           |                    |        |        | HR5587 (Lo-16bits)          |
| HR5589           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5590           |                    |        |        | HR5589 (Lo-16bits)          |
| HR5591           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5592           |                    |        |        | HR5591 (Lo-16bits)          |
| HR5593           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5594           |                    |        |        | HR5593 (Lo-16bits)          |
| HR5595           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5596           |                    |        |        | HR5595 (Lo-16bits)          |
| HR5597           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |



| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5598           |                                                                         |        |        | HR5597 (Lo-16bits)           |
| HR5599           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5600           |                                                                         |        |        | HR5599 (Lo-16bits)           |
| HR5601           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5602           |                                                                         |        |        | HR5601 (Lo-16bits)           |
| HR5603           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5604           |                                                                         |        |        | HR5603 (Lo-16bits)           |
| HR5605           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5606           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5607           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5608           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5609           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5610           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5611           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5612           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5613           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5614           |                                                                         |        |        | HR5613 (Lo-16bits)           |
| HR5615           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5616           |                                                                         |        |        | HR5615 (Lo-16bits)           |
| HR5617           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5618           |                                                                         |        |        | HR5617 (Lo-16bits)           |
| HR5619           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5620           |                                                                         |        |        | HR5619 (Lo-16bits)           |
| HR5621           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5622           |                                                |        |        | HR5621 (Lo-16bits)           |
| HR5623           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5624           |                                                |        |        | HR5623 (Lo-16bits)           |
| HR5625           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5626           |                                                |        |        | HR5625 (Lo-16bits)           |
| HR5627           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5628           |                                                |        |        | HR5627 (Lo-16bits)           |
| HR5629           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5630           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5631           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5632           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5633           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5634           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5635           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5636           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5637           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5638           |                                                |        |        | HR5637 (Lo-16bits)           |
| HR5639           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5640           |                                                |        |        | HR5639 (Lo-16bits)           |
| HR5641           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5642           |                                                |        |        | HR5641 (Lo-16bits)           |
| HR5643           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5644           |                                                |        |        | HR5643 (Lo-16bits)           |
| HR5645           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5646           |                                                |        |        | HR5645 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5647           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5648           |                                                    |        |        | HR5647 (Lo-16bits)          |
| HR5649           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5650           |                                                    |        |        | HR5649 (Lo-16bits)          |
| HR5651           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5652           |                                                    |        |        | HR5651 (Lo-16bits)          |
| HR5653           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5654           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5655           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5656           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5657           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5658           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5659           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5660           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5661           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5662           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5663           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5664           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5665           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5666           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR5667           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5668           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5669           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5670           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5671           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5672           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5673           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5674           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5675           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5676           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5677           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5678           |                                                    |        |        | HR5677 (Lo-16bits)                                          |
| HR5679           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5680           |                                                    |        |        | HR5679 (Lo-16bits)                                          |
| HR5681           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5682           |                                                    |        |        | HR5681 (Lo-16bits)                                          |
| HR5683           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5684           |                                                    |        |        | HR5683 (Lo-16bits)                                          |
| HR5685           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5686           |                                                    |        |        | HR5685 (Lo-16bits)                                          |
| HR5687           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5688           |                                                    |        |        | HR5687 (Lo-16bits)                                          |
| HR5689           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5690           |                                                    |        |        | HR5689 (Lo-16bits)                                          |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5691           | DEF2:Pick-up setting I0set>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5692           |                                              |        |        | HR5691 (Lo-16bits)             |
| HR5693           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5694           |                                              |        |        | HR5693 (Lo-16bits)             |
| HR5695           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5696           |                                              |        |        | HR5695 (Lo-16bits)             |
| HR5697           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5698           |                                              |        |        | HR5697 (Lo-16bits)             |
| HR5699           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5700           |                                              |        |        | HR5699 (Lo-16bits)             |
| HR5701           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5702           |                                              |        |        | HR5701 (Lo-16bits)             |
| HR5703           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5704           |                                              |        |        | HR5703 (Lo-16bits)             |
| HR5705           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5706           |                                              |        |        | HR5705 (Lo-16bits)             |
| HR5707           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5708           |                                              |        |        | HR5707 (Lo-16bits)             |
| HR5709           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5710           |                                              |        |        | HR5709 (Lo-16bits)             |
| HR5711           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5712           |                                              |        |        | HR5711 (Lo-16bits)             |
| HR5713           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5714           |                                              |        |        | HR5713 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5715           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5716           |                                              |        |        | HR5715 (Lo-16bits)             |
| HR5717           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5718           |                                              |        |        | HR5717 (Lo-16bits)             |
| HR5719           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5720           |                                              |        |        | HR5719 (Lo-16bits)             |
| HR5721           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5722           |                                              |        |        | HR5721 (Lo-16bits)             |
| HR5723           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5724           |                                              |        |        | HR5723 (Lo-16bits)             |
| HR5725           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5726           |                                              |        |        | HR5725 (Lo-16bits)             |
| HR5727           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5728           |                                              |        |        | HR5727 (Lo-16bits)             |
| HR5729           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5730           |                                              |        |        | HR5729 (Lo-16bits)             |
| HR5731           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5732           |                                              |        |        | HR5731 (Lo-16bits)             |
| HR5733           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5734           |                                              |        |        | HR5733 (Lo-16bits)             |
| HR5735           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5736           |                                              |        |        | HR5735 (Lo-16bits)             |
| HR5737           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5738           |                                              |        |        | HR5737 (Lo-16bits)             |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5739           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>    | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5740           |                                                |        |        | HR5739 (Lo-16bits)           |
| HR5741           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5742           |                                                |        |        | HR5741 (Lo-16bits)           |
| HR5743           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5744           |                                                |        |        | HR5743 (Lo-16bits)           |
| HR5745           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5746           |                                                |        |        | HR5745 (Lo-16bits)           |
| HR5747           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5748           |                                                |        |        | HR5747 (Lo-16bits)           |
| HR5749           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5750           |                                                |        |        | HR5749 (Lo-16bits)           |
| HR5751           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5752           |                                                |        |        | HR5751 (Lo-16bits)           |
| HR5753           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5754           |                                                |        |        | HR5753 (Lo-16bits)           |
| HR5755           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5756           |                                                |        |        | HR5755 (Lo-16bits)           |
| HR5757           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5758           |                                                |        |        | HR5757 (Lo-16bits)           |
| HR5759           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5760           |                                                |        |        | HR5759 (Lo-16bits)           |
| HR5761           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5762           |                                                |        |        | HR5761 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR5763           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5764           |                                                |        |        | HR5763 (Lo-16bits)          |
| HR5765           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5766           |                                                |        |        | HR5765 (Lo-16bits)          |
| HR5767           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5768           |                                                |        |        | HR5767 (Lo-16bits)          |
| HR5769           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5770           |                                                |        |        | HR5769 (Lo-16bits)          |
| HR5771           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5772           |                                                |        |        | HR5771 (Lo-16bits)          |
| HR5773           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5774           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5775           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5776           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5777           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5778           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5779           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5780           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5781           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR5782           |                                                |        |        | HR5781 (Lo-16bits)          |
| HR5783           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR5784           |                                                |        |        | HR5783 (Lo-16bits)          |
| HR5785           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR5786           |                                                |        |        | HR5785 (Lo-16bits)          |



| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR5787           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5788           |                                                |        |        | HR5787 (Lo-16bits)             |
| HR5789           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5790           |                                                |        |        | HR5789 (Lo-16bits)             |
| HR5791           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5792           |                                                |        |        | HR5791 (Lo-16bits)             |
| HR5793           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5794           |                                                |        |        | HR5793 (Lo-16bits)             |
| HR5795           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5796           |                                                |        |        | HR5795 (Lo-16bits)             |
| HR5797           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5798           |                                                |        |        | HR5797 (Lo-16bits)             |
| HR5799           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5800           |                                                |        |        | HR5799 (Lo-16bits)             |
| HR5801           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5802           |                                                |        |        | HR5801 (Lo-16bits)             |
| HR5803           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5804           |                                                |        |        | HR5803 (Lo-16bits)             |
| HR5805           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5806           |                                                |        |        | HR5805 (Lo-16bits)             |
| HR5807           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5808           |                                                |        |        | HR5807 (Lo-16bits)             |
| HR5809           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5810           |                                                |        |        | HR5809 (Lo-16bits)             |
| HR5811           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5812           |                                                |        |        | HR5811 (Lo-16bits)             |

| Holding Register | Parameter                                     | Access | Length |                             |
|------------------|-----------------------------------------------|--------|--------|-----------------------------|
| HR5813           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5814           |                                               |        |        | HR5813 (Lo-16bits)          |
| HR5815           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5816           |                                               |        |        | HR5815 (Lo-16bits)          |
| HR5817           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5818           |                                               |        |        | HR5817 (Lo-16bits)          |
| HR5819           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5820           |                                               |        |        | HR5819 (Lo-16bits)          |
| HR5821           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5822           |                                               |        |        | HR5821 (Lo-16bits)          |
| HR5823           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5824           |                                               |        |        | HR5823 (Lo-16bits)          |
| HR5825           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5826           |                                               |        |        | HR5825 (Lo-16bits)          |
| HR5827           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5828           |                                               |        |        | HR5827 (Lo-16bits)          |
| HR5829           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR5830           |                                               |        |        | HR5829 (Lo-16bits)          |
| HR5831           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR5832           |                                               |        |        | HR5831 (Lo-16bits)          |
| HR5833           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR5834           |                                               |        |        | HR5833 (Lo-16bits)          |
| HR5835           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR5836           |                                               |        |        | HR5835 (Lo-16bits)          |
| HR5837           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR5838           |                                               |        |        | HR5837 (Lo-16bits)          |

| Holding Register | Parameter                                        | Access | Length |                                                        |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5839           | DEF2:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5840           |                                                  |        |        | HR5839 (Lo-16bits)                                     |
| HR5841           | DEF2:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5842           |                                                  |        |        | HR5841 (Lo-16bits)                                     |
| HR5843           | DEF2:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5844           |                                                  |        |        | HR5843 (Lo-16bits)                                     |
| HR5845           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5846           |                                                  |        |        | HR5845 (Lo-16bits)                                     |
| HR5847           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5848           |                                                  |        |        | HR5847 (Lo-16bits)                                     |
| HR5849           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5850           |                                                  |        |        | HR5849 (Lo-16bits)                                     |
| HR5851           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5852           |                                                  |        |        | HR5851 (Lo-16bits)                                     |
| HR5853           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5854           |                                                  |        |        | HR5853 (Lo-16bits)                                     |
| HR5855           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5856           |                                                  |        |        | HR5855 (Lo-16bits)                                     |
| HR5857           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5858           |                                                  |        |        | HR5857 (Lo-16bits)                                     |
| HR5859           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5860           |                                                  |        |        | HR5859 (Lo-16bits)                                     |
| HR5861           | DEF2:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5862           | DEF2:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5863           | DEF2:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5864           | DEF2:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5865           | DEF2:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |

| Holding Register | Parameter                                       | Access | Length |                                                        |
|------------------|-------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5866           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5867           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5868           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5869           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5870           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5871           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5872           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5873           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5874           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5875           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5876           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5877           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5878           |                                                 |        |        | HR5877 (Lo-16bits)                                     |
| HR5879           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5880           |                                                 |        |        | HR5879 (Lo-16bits)                                     |
| HR5881           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5882           |                                                 |        |        | HR5881 (Lo-16bits)                                     |
| HR5883           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5884           |                                                 |        |        | HR5883 (Lo-16bits)                                     |
| HR5885           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5886           |                                                 |        |        | HR5885 (Lo-16bits)                                     |
| HR5887           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5888           |                                                 |        |        | HR5887 (Lo-16bits)                                     |
| HR5889           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5890           |                                                 |        |        | HR5889 (Lo-16bits)                                     |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR5891           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5892           |                                                 |        |        | HR5891 (Lo-16bits)           |
| HR5893           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5894           |                                                 |        |        | HR5893 (Lo-16bits)           |
| HR5895           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5896           |                                                 |        |        | HR5895 (Lo-16bits)           |
| HR5897           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5898           |                                                 |        |        | HR5897 (Lo-16bits)           |
| HR5899           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5900           |                                                 |        |        | HR5899 (Lo-16bits)           |
| HR5901           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5902           |                                                 |        |        | HR5901 (Lo-16bits)           |
| HR5903           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5904           |                                                 |        |        | HR5903 (Lo-16bits)           |
| HR5905           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5906           |                                                 |        |        | HR5905 (Lo-16bits)           |
| HR5907           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5908           |                                                 |        |        | HR5907 (Lo-16bits)           |
| HR5909           | DEF2:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5910           |                                                 |        |        | HR5909 (Lo-16bits)           |
| HR5911           | DEF2:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5912           |                                                 |        |        | HR5911 (Lo-16bits)           |
| HR5913           | DEF2:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5914           |                                                 |        |        | HR5913 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR5915           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5916           |                                              |        |        | HR5915 (Lo-16bits)           |
| HR5917           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5918           |                                              |        |        | HR5917 (Lo-16bits)           |
| HR5919           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5920           |                                              |        |        | HR5919 (Lo-16bits)           |
| HR5921           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5922           |                                              |        |        | HR5921 (Lo-16bits)           |
| HR5923           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5924           |                                              |        |        | HR5923 (Lo-16bits)           |
| HR5925           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5926           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5927           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5928           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5929           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5930           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5931           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5932           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5933           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5934           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5935           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5936           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5937           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5938           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5939           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5940           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5941           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5942           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5943           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5944           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5945           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5946           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5947           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5948           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5949           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5950           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5951           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5952           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5953           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5954           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5955           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5956           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5957           | DEF2:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5958           |                                |        |        | HR5957 (Lo-16bits)                                          |
| HR5959           | DEF2:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR5960           |                          |        |        | HR5959 (Lo-16bits)            |
| HR5961           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5962           |                          |        |        | HR5961 (Lo-16bits)            |
| HR5963           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5964           |                          |        |        | HR5963 (Lo-16bits)            |
| HR5965           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5966           |                          |        |        | HR5965 (Lo-16bits)            |
| HR5967           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5968           |                          |        |        | HR5967 (Lo-16bits)            |
| HR5969           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5970           |                          |        |        | HR5969 (Lo-16bits)            |
| HR5971           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5972           |                          |        |        | HR5971 (Lo-16bits)            |
| HR5973           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5974           |                          |        |        | HR5973 (Lo-16bits)            |
| HR5975           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5976           |                          |        |        | HR5975 (Lo-16bits)            |
| HR5977           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5978           |                          |        |        | HR5977 (Lo-16bits)            |
| HR5979           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5980           |                          |        |        | HR5979 (Lo-16bits)            |
| HR5981           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5982           |                          |        |        | HR5981 (Lo-16bits)            |
| HR5983           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5984           |                          |        |        | HR5983 (Lo-16bits)            |
| HR5985           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5986           |                          |        |        | HR5985 (Lo-16bits)            |
| HR5987           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5988           |                          |        |        | HR5987 (Lo-16bits)            |
| HR5989           | DEF2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |



| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5990           |                    |        |        | HR5989 (Lo-16bits)          |
| HR5991           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5992           |                    |        |        | HR5991 (Lo-16bits)          |
| HR5993           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5994           |                    |        |        | HR5993 (Lo-16bits)          |
| HR5995           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5996           |                    |        |        | HR5995 (Lo-16bits)          |
| HR5997           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5998           |                    |        |        | HR5997 (Lo-16bits)          |
| HR5999           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6000           |                    |        |        | HR5999 (Lo-16bits)          |
| HR6001           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6002           |                    |        |        | HR6001 (Lo-16bits)          |
| HR6003           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6004           |                    |        |        | HR6003 (Lo-16bits)          |
| HR6005           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6006           |                    |        |        | HR6005 (Lo-16bits)          |
| HR6007           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6008           |                    |        |        | HR6007 (Lo-16bits)          |
| HR6009           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6010           |                    |        |        | HR6009 (Lo-16bits)          |
| HR6011           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6012           |                    |        |        | HR6011 (Lo-16bits)          |
| HR6013           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6014           |                    |        |        | HR6013 (Lo-16bits)          |
| HR6015           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6016           |                    |        |        | HR6015 (Lo-16bits)          |
| HR6017           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6018           |                    |        |        | HR6017 (Lo-16bits)          |
| HR6019           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6020           |                                                                         |        |        | HR6019 (Lo-16bits)           |
| HR6021           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6022           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6023           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6024           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6025           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6026           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6027           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6028           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6029           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6030           |                                                                         |        |        | HR6029 (Lo-16bits)           |
| HR6031           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6032           |                                                                         |        |        | HR6031 (Lo-16bits)           |
| HR6033           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6034           |                                                                         |        |        | HR6033 (Lo-16bits)           |
| HR6035           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6036           |                                                                         |        |        | HR6035 (Lo-16bits)           |
| HR6037           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6038           |                                                                         |        |        | HR6037 (Lo-16bits)           |
| HR6039           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6040           |                                                                         |        |        | HR6039 (Lo-16bits)           |
| HR6041           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6042           |                                                                         |        |        | HR6041 (Lo-16bits)           |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6043           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6044           |                                                                         |        |        | HR6043 (Lo-16bits)           |
| HR6045           | DEF2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6046           | DEF2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6047           | DEF2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6048           | DEF2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6049           | DEF2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6050           | DEF2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6051           | DEF2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6052           | DEF2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6053           | DEF2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6054           |                                                                         |        |        | HR6053 (Lo-16bits)           |
| HR6055           | DEF2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6056           |                                                                         |        |        | HR6055 (Lo-16bits)           |
| HR6057           | DEF2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6058           |                                                                         |        |        | HR6057 (Lo-16bits)           |
| HR6059           | DEF2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6060           |                                                                         |        |        | HR6059 (Lo-16bits)           |
| HR6061           | DEF2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6062           |                                                                         |        |        | HR6061 (Lo-16bits)           |
| HR6063           | DEF2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6064           |                                                                         |        |        | HR6063 (Lo-16bits)           |
| HR6065           | DEF2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6066           |                                                                         |        |        | HR6065 (Lo-16bits)           |
| HR6067           | DEF2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6068           |                                                                         |        |        | HR6067 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6069           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6070           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6071           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6072           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6073           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6074           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6075           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6076           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6077           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6078           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6079           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6080           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6081           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6082           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6083           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6084           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6085           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6086           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |

| Holding Register | Parameter                        | Access | Length |                                                             |
|------------------|----------------------------------|--------|--------|-------------------------------------------------------------|
| HR6087           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6088           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6089           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6090           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6091           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6092           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6093           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6094           |                                  |        |        | HR6093 (Lo-16bits)                                          |
| HR6095           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6096           |                                  |        |        | HR6095 (Lo-16bits)                                          |
| HR6097           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6098           |                                  |        |        | HR6097 (Lo-16bits)                                          |
| HR6099           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6100           |                                  |        |        | HR6099 (Lo-16bits)                                          |
| HR6101           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6102           |                                  |        |        | HR6101 (Lo-16bits)                                          |
| HR6103           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6104           |                                  |        |        | HR6103 (Lo-16bits)                                          |
| HR6105           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6106           |                                  |        |        | HR6105 (Lo-16bits)                                          |
| HR6107           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6108           |                                  |        |        | HR6107 (Lo-16bits)                                          |
| HR6109           | DEF3:Pick-up setting<br>U0set>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |
| HR6110           |                                  |        |        | HR6109 (Lo-16bits)                                          |
| HR6111           | DEF3:Pick-up setting<br>U0set>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |

| Holding Register | Parameter                                        | Access | Length |                                |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6112           |                                                  |        |        | HR6111 (Lo-16bits)             |
| HR6113           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6114           |                                                  |        |        | HR6113 (Lo-16bits)             |
| HR6115           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6116           |                                                  |        |        | HR6115 (Lo-16bits)             |
| HR6117           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6118           |                                                  |        |        | HR6117 (Lo-16bits)             |
| HR6119           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6120           |                                                  |        |        | HR6119 (Lo-16bits)             |
| HR6121           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6122           |                                                  |        |        | HR6121 (Lo-16bits)             |
| HR6123           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6124           |                                                  |        |        | HR6123 (Lo-16bits)             |
| HR6125           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6126           |                                                  |        |        | HR6125 (Lo-16bits)             |
| HR6127           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6128           |                                                  |        |        | HR6127 (Lo-16bits)             |
| HR6129           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6130           |                                                  |        |        | HR6129 (Lo-16bits)             |
| HR6131           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6132           |                                                  |        |        | HR6131 (Lo-16bits)             |
| HR6133           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6134           |                                                  |        |        | HR6133 (Lo-16bits)             |
| HR6135           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR6136           |                                               |        |        | HR6135 (Lo-16bits)             |
| HR6137           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6138           |                                               |        |        | HR6137 (Lo-16bits)             |
| HR6139           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6140           |                                               |        |        | HR6139 (Lo-16bits)             |
| HR6141           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6142           |                                               |        |        | HR6141 (Lo-16bits)             |
| HR6143           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6144           |                                               |        |        | HR6143 (Lo-16bits)             |
| HR6145           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6146           |                                               |        |        | HR6145 (Lo-16bits)             |
| HR6147           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6148           |                                               |        |        | HR6147 (Lo-16bits)             |
| HR6149           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6150           |                                               |        |        | HR6149 (Lo-16bits)             |
| HR6151           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6152           |                                               |        |        | HR6151 (Lo-16bits)             |
| HR6153           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6154           |                                               |        |        | HR6153 (Lo-16bits)             |
| HR6155           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6156           |                                               |        |        | HR6155 (Lo-16bits)             |
| HR6157           | DEF3:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |
| HR6158           |                                               |        |        | HR6157 (Lo-16bits)             |
| HR6159           | DEF3:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |

| Holding Register | Parameter                                         | Access | Length |                              |
|------------------|---------------------------------------------------|--------|--------|------------------------------|
| HR6160           |                                                   |        |        | HR6159 (Lo-16bits)           |
| HR6161           | DEF3:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6162           |                                                   |        |        | HR6161 (Lo-16bits)           |
| HR6163           | DEF3:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6164           |                                                   |        |        | HR6163 (Lo-16bits)           |
| HR6165           | DEF3:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6166           |                                                   |        |        | HR6165 (Lo-16bits)           |
| HR6167           | DEF3:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6168           |                                                   |        |        | HR6167 (Lo-16bits)           |
| HR6169           | DEF3:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6170           |                                                   |        |        | HR6169 (Lo-16bits)           |
| HR6171           | DEF3:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6172           |                                                   |        |        | HR6171 (Lo-16bits)           |
| HR6173           | DEF3:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6174           |                                                   |        |        | HR6173 (Lo-16bits)           |
| HR6175           | DEF3:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6176           |                                                   |        |        | HR6175 (Lo-16bits)           |
| HR6177           | DEF3:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6178           |                                                   |        |        | HR6177 (Lo-16bits)           |
| HR6179           | DEF3:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6180           |                                                   |        |        | HR6179 (Lo-16bits)           |
| HR6181           | DEF3:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6182           |                                                   |        |        | HR6181 (Lo-16bits)           |
| HR6183           | DEF3:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |



| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6184           |                                                |        |        | HR6183 (Lo-16bits)          |
| HR6185           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6186           |                                                |        |        | HR6185 (Lo-16bits)          |
| HR6187           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6188           |                                                |        |        | HR6187 (Lo-16bits)          |
| HR6189           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6190           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6191           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6192           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6193           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6194           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6195           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6196           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6197           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6198           |                                                |        |        | HR6197 (Lo-16bits)          |
| HR6199           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6200           |                                                |        |        | HR6199 (Lo-16bits)          |
| HR6201           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6202           |                                                |        |        | HR6201 (Lo-16bits)          |
| HR6203           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6204           |                                                |        |        | HR6203 (Lo-16bits)          |
| HR6205           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6206           |                                                |        |        | HR6205 (Lo-16bits)          |
| HR6207           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6208           |                                                |        |        | HR6207 (Lo-16bits)          |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR6209           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6210           |                                                 |        |        | HR6209 (Lo-16bits)             |
| HR6211           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6212           |                                                 |        |        | HR6211 (Lo-16bits)             |
| HR6213           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6214           |                                                 |        |        | HR6213 (Lo-16bits)             |
| HR6215           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6216           |                                                 |        |        | HR6215 (Lo-16bits)             |
| HR6217           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6218           |                                                 |        |        | HR6217 (Lo-16bits)             |
| HR6219           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6220           |                                                 |        |        | HR6219 (Lo-16bits)             |
| HR6221           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6222           |                                                 |        |        | HR6221 (Lo-16bits)             |
| HR6223           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6224           |                                                 |        |        | HR6223 (Lo-16bits)             |
| HR6225           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6226           |                                                 |        |        | HR6225 (Lo-16bits)             |
| HR6227           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6228           |                                                 |        |        | HR6227 (Lo-16bits)             |
| HR6229           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6230           |                                                 |        |        | HR6229 (Lo-16bits)             |
| HR6231           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6232           |                                                 |        |        | HR6231 (Lo-16bits)             |
| HR6233           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR6234           |                                                |        |        | HR6233 (Lo-16bits)             |
| HR6235           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6236           |                                                |        |        | HR6235 (Lo-16bits)             |
| HR6237           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6238           |                                                |        |        | HR6237 (Lo-16bits)             |
| HR6239           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6240           |                                                |        |        | HR6239 (Lo-16bits)             |
| HR6241           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6242           |                                                |        |        | HR6241 (Lo-16bits)             |
| HR6243           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6244           |                                                |        |        | HR6243 (Lo-16bits)             |
| HR6245           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6246           |                                                |        |        | HR6245 (Lo-16bits)             |
| HR6247           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6248           |                                                |        |        | HR6247 (Lo-16bits)             |
| HR6249           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6250           |                                                |        |        | HR6249 (Lo-16bits)             |
| HR6251           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6252           |                                                |        |        | HR6251 (Lo-16bits)             |
| HR6253           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6254           |                                                |        |        | HR6253 (Lo-16bits)             |
| HR6255           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6256           |                                                |        |        | HR6255 (Lo-16bits)             |
| HR6257           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6258           |                                                |        |        | HR6257 (Lo-16bits)             |
| HR6259           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6260           |                                                |        |        | HR6259 (Lo-16bits)             |
| HR6261           | DEF3:Trip area center                          | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |

| Holding Register | Parameter                                        | Access | Length |                                                        |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6262           |                                                  |        |        | HR6261 (Lo-16bits)                                     |
| HR6263           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6264           |                                                  |        |        | HR6263 (Lo-16bits)                                     |
| HR6265           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6266           |                                                  |        |        | HR6265 (Lo-16bits)                                     |
| HR6267           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6268           |                                                  |        |        | HR6267 (Lo-16bits)                                     |
| HR6269           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6270           |                                                  |        |        | HR6269 (Lo-16bits)                                     |
| HR6271           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6272           |                                                  |        |        | HR6271 (Lo-16bits)                                     |
| HR6273           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6274           |                                                  |        |        | HR6273 (Lo-16bits)                                     |
| HR6275           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6276           |                                                  |        |        | HR6275 (Lo-16bits)                                     |
| HR6277           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6278           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6279           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6280           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6281           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6282           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6283           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6284           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6285           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6286           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6287           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR6288           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6289           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6290           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6291           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6292           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6293           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6294           |                                                 |        |        | HR6293 (Lo-16bits)           |
| HR6295           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6296           |                                                 |        |        | HR6295 (Lo-16bits)           |
| HR6297           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6298           |                                                 |        |        | HR6297 (Lo-16bits)           |
| HR6299           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6300           |                                                 |        |        | HR6299 (Lo-16bits)           |
| HR6301           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6302           |                                                 |        |        | HR6301 (Lo-16bits)           |
| HR6303           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6304           |                                                 |        |        | HR6303 (Lo-16bits)           |
| HR6305           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6306           |                                                 |        |        | HR6305 (Lo-16bits)           |
| HR6307           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6308           |                                                 |        |        | HR6307 (Lo-16bits)           |
| HR6309           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6310           |                                                 |        |        | HR6309 (Lo-16bits)           |
| HR6311           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6312           |                                                 |        |        | HR6311 (Lo-16bits)           |

| Holding Register | Parameter                                     | Access | Length |                              |
|------------------|-----------------------------------------------|--------|--------|------------------------------|
| HR6313           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6314           |                                               |        |        | HR6313 (Lo-16bits)           |
| HR6315           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6316           |                                               |        |        | HR6315 (Lo-16bits)           |
| HR6317           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6318           |                                               |        |        | HR6317 (Lo-16bits)           |
| HR6319           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6320           |                                               |        |        | HR6319 (Lo-16bits)           |
| HR6321           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6322           |                                               |        |        | HR6321 (Lo-16bits)           |
| HR6323           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6324           |                                               |        |        | HR6323 (Lo-16bits)           |
| HR6325           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6326           |                                               |        |        | HR6325 (Lo-16bits)           |
| HR6327           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6328           |                                               |        |        | HR6327 (Lo-16bits)           |
| HR6329           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6330           |                                               |        |        | HR6329 (Lo-16bits)           |
| HR6331           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6332           |                                               |        |        | HR6331 (Lo-16bits)           |
| HR6333           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6334           |                                               |        |        | HR6333 (Lo-16bits)           |
| HR6335           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6336           |                                               |        |        | HR6335 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6337           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6338           |                                              |        |        | HR6337 (Lo-16bits)                                          |
| HR6339           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6340           |                                              |        |        | HR6339 (Lo-16bits)                                          |
| HR6341           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6342           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6343           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6344           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6345           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6346           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6347           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6348           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6349           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6350           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6351           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6352           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6353           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6354           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6355           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6356           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6357           | DEF3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6358           | DEF3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6359           | DEF3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR6360           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6361           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6362           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6363           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6364           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6365           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6366           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6367           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6368           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6369           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6370           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6371           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6372           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6373           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6374           |                               |        |        | HR6373 (Lo-16bits)                                          |
| HR6375           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6376           |                               |        |        | HR6375 (Lo-16bits)                                          |
| HR6377           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6378           |                               |        |        | HR6377 (Lo-16bits)                                          |
| HR6379           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6380           |                               |        |        | HR6379 (Lo-16bits)                                          |
| HR6381           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6382           |                               |        |        | HR6381 (Lo-16bits)                                          |
| HR6383           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |



| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6384           |                          |        |        | HR6383 (Lo-16bits)            |
| HR6385           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6386           |                          |        |        | HR6385 (Lo-16bits)            |
| HR6387           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6388           |                          |        |        | HR6387 (Lo-16bits)            |
| HR6389           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6390           |                          |        |        | HR6389 (Lo-16bits)            |
| HR6391           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6392           |                          |        |        | HR6391 (Lo-16bits)            |
| HR6393           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6394           |                          |        |        | HR6393 (Lo-16bits)            |
| HR6395           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6396           |                          |        |        | HR6395 (Lo-16bits)            |
| HR6397           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6398           |                          |        |        | HR6397 (Lo-16bits)            |
| HR6399           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6400           |                          |        |        | HR6399 (Lo-16bits)            |
| HR6401           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6402           |                          |        |        | HR6401 (Lo-16bits)            |
| HR6403           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6404           |                          |        |        | HR6403 (Lo-16bits)            |
| HR6405           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6406           |                          |        |        | HR6405 (Lo-16bits)            |
| HR6407           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6408           |                          |        |        | HR6407 (Lo-16bits)            |
| HR6409           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6410           |                          |        |        | HR6409 (Lo-16bits)            |
| HR6411           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6412           |                          |        |        | HR6411 (Lo-16bits)            |
| HR6413           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6414           |                                                    |        |        | HR6413 (Lo-16bits)          |
| HR6415           | DEF3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6416           |                                                    |        |        | HR6415 (Lo-16bits)          |
| HR6417           | DEF3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6418           |                                                    |        |        | HR6417 (Lo-16bits)          |
| HR6419           | DEF3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6420           |                                                    |        |        | HR6419 (Lo-16bits)          |
| HR6421           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6422           |                                                    |        |        | HR6421 (Lo-16bits)          |
| HR6423           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6424           |                                                    |        |        | HR6423 (Lo-16bits)          |
| HR6425           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6426           |                                                    |        |        | HR6425 (Lo-16bits)          |
| HR6427           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6428           |                                                    |        |        | HR6427 (Lo-16bits)          |
| HR6429           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6430           |                                                    |        |        | HR6429 (Lo-16bits)          |
| HR6431           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6432           |                                                    |        |        | HR6431 (Lo-16bits)          |
| HR6433           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6434           |                                                    |        |        | HR6433 (Lo-16bits)          |
| HR6435           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6436           |                                                    |        |        | HR6435 (Lo-16bits)          |
| HR6437           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6438           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6439           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6440           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6441           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR6442           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6443           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6444           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6445           | DEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6446           |                                                    |        |        | HR6445 (Lo-16bits)           |
| HR6447           | DEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6448           |                                                    |        |        | HR6447 (Lo-16bits)           |
| HR6449           | DEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6450           |                                                    |        |        | HR6449 (Lo-16bits)           |
| HR6451           | DEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6452           |                                                    |        |        | HR6451 (Lo-16bits)           |
| HR6453           | DEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6454           |                                                    |        |        | HR6453 (Lo-16bits)           |
| HR6455           | DEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6456           |                                                    |        |        | HR6455 (Lo-16bits)           |
| HR6457           | DEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6458           |                                                    |        |        | HR6457 (Lo-16bits)           |
| HR6459           | DEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6460           |                                                    |        |        | HR6459 (Lo-16bits)           |
| HR6461           | DEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6462           | DEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6463           | DEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6464           | DEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR6465           | DEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6466           | DEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6467           | DEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6468           | DEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6469           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6470           |                                            |        |        | HR6469 (Lo-16bits)          |
| HR6471           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6472           |                                            |        |        | HR6471 (Lo-16bits)          |
| HR6473           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6474           |                                            |        |        | HR6473 (Lo-16bits)          |
| HR6475           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6476           |                                            |        |        | HR6475 (Lo-16bits)          |
| HR6477           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6478           |                                            |        |        | HR6477 (Lo-16bits)          |
| HR6479           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6480           |                                            |        |        | HR6479 (Lo-16bits)          |
| HR6481           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6482           |                                            |        |        | HR6481 (Lo-16bits)          |
| HR6483           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6484           |                                            |        |        | HR6483 (Lo-16bits)          |
| HR6485           | DEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6486           | DEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6487           | DEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6488           | DEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6489           | DEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6490           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6491           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6492           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6493           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6494           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6495           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6496           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6497           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6498           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6499           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6500           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6501           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6502           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6503           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6504           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6505           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6506           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6507           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6508           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6509           | DEF4:Pick-up setting I0set>>>>                     | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |

| Holding Register | Parameter                         | Access | Length |                                |
|------------------|-----------------------------------|--------|--------|--------------------------------|
| HR6510           |                                   |        |        | HR6509 (Lo-16bits)             |
| HR6511           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6512           |                                   |        |        | HR6511 (Lo-16bits)             |
| HR6513           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6514           |                                   |        |        | HR6513 (Lo-16bits)             |
| HR6515           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6516           |                                   |        |        | HR6515 (Lo-16bits)             |
| HR6517           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6518           |                                   |        |        | HR6517 (Lo-16bits)             |
| HR6519           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6520           |                                   |        |        | HR6519 (Lo-16bits)             |
| HR6521           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6522           |                                   |        |        | HR6521 (Lo-16bits)             |
| HR6523           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6524           |                                   |        |        | HR6523 (Lo-16bits)             |
| HR6525           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6526           |                                   |        |        | HR6525 (Lo-16bits)             |
| HR6527           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6528           |                                   |        |        | HR6527 (Lo-16bits)             |
| HR6529           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6530           |                                   |        |        | HR6529 (Lo-16bits)             |
| HR6531           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6532           |                                   |        |        | HR6531 (Lo-16bits)             |
| HR6533           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR6534           |                                                |        |        | HR6533 (Lo-16bits)             |
| HR6535           | DEF4:Pick-up setting U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6536           |                                                |        |        | HR6535 (Lo-16bits)             |
| HR6537           | DEF4:Pick-up setting U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6538           |                                                |        |        | HR6537 (Lo-16bits)             |
| HR6539           | DEF4:Pick-up setting U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6540           |                                                |        |        | HR6539 (Lo-16bits)             |
| HR6541           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6542           |                                                |        |        | HR6541 (Lo-16bits)             |
| HR6543           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6544           |                                                |        |        | HR6543 (Lo-16bits)             |
| HR6545           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6546           |                                                |        |        | HR6545 (Lo-16bits)             |
| HR6547           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6548           |                                                |        |        | HR6547 (Lo-16bits)             |
| HR6549           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6550           |                                                |        |        | HR6549 (Lo-16bits)             |
| HR6551           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6552           |                                                |        |        | HR6551 (Lo-16bits)             |
| HR6553           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6554           |                                                |        |        | HR6553 (Lo-16bits)             |
| HR6555           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6556           |                                                |        |        | HR6555 (Lo-16bits)             |
| HR6557           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                     | Access | Length |                              |
|------------------|-----------------------------------------------|--------|--------|------------------------------|
| HR6558           |                                               |        |        | HR6557 (Lo-16bits)           |
| HR6559           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6560           |                                               |        |        | HR6559 (Lo-16bits)           |
| HR6561           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6562           |                                               |        |        | HR6561 (Lo-16bits)           |
| HR6563           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6564           |                                               |        |        | HR6563 (Lo-16bits)           |
| HR6565           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6566           |                                               |        |        | HR6565 (Lo-16bits)           |
| HR6567           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6568           |                                               |        |        | HR6567 (Lo-16bits)           |
| HR6569           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6570           |                                               |        |        | HR6569 (Lo-16bits)           |
| HR6571           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6572           |                                               |        |        | HR6571 (Lo-16bits)           |
| HR6573           | DEF4:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6574           |                                               |        |        | HR6573 (Lo-16bits)           |
| HR6575           | DEF4:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6576           |                                               |        |        | HR6575 (Lo-16bits)           |
| HR6577           | DEF4:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6578           |                                               |        |        | HR6577 (Lo-16bits)           |
| HR6579           | DEF4:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6580           |                                               |        |        | HR6579 (Lo-16bits)           |
| HR6581           | DEF4:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |



| Holding Register | Parameter                                         | Access | Length |                              |
|------------------|---------------------------------------------------|--------|--------|------------------------------|
| HR6582           |                                                   |        |        | HR6581 (Lo-16bits)           |
| HR6583           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6584           |                                                   |        |        | HR6583 (Lo-16bits)           |
| HR6585           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6586           |                                                   |        |        | HR6585 (Lo-16bits)           |
| HR6587           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6588           |                                                   |        |        | HR6587 (Lo-16bits)           |
| HR6589           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6590           |                                                   |        |        | HR6589 (Lo-16bits)           |
| HR6591           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6592           |                                                   |        |        | HR6591 (Lo-16bits)           |
| HR6593           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6594           |                                                   |        |        | HR6593 (Lo-16bits)           |
| HR6595           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6596           |                                                   |        |        | HR6595 (Lo-16bits)           |
| HR6597           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6598           |                                                   |        |        | HR6597 (Lo-16bits)           |
| HR6599           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6600           |                                                   |        |        | HR6599 (Lo-16bits)           |
| HR6601           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6602           |                                                   |        |        | HR6601 (Lo-16bits)           |
| HR6603           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6604           |                                                   |        |        | HR6603 (Lo-16bits)           |
| HR6605           | DEF4:Multi-criteria<br>detection                  | R(W)   | 1      | 0=Not Used;1=Is Used         |

| Holding Register | Parameter                                        | Access | Length |                                |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6606           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6607           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6608           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6609           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6610           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6611           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6612           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6613           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6614           |                                                  |        |        | HR6613 (Lo-16bits)             |
| HR6615           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6616           |                                                  |        |        | HR6615 (Lo-16bits)             |
| HR6617           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6618           |                                                  |        |        | HR6617 (Lo-16bits)             |
| HR6619           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6620           |                                                  |        |        | HR6619 (Lo-16bits)             |
| HR6621           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6622           |                                                  |        |        | HR6621 (Lo-16bits)             |
| HR6623           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6624           |                                                  |        |        | HR6623 (Lo-16bits)             |
| HR6625           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6626           |                                                  |        |        | HR6625 (Lo-16bits)             |
| HR6627           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6628           |                                                  |        |        | HR6627 (Lo-16bits)             |
| HR6629           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6630           |                                                  |        |        | HR6629 (Lo-16bits)             |
| HR6631           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                        | Access | Length |                                |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6632           |                                                  |        |        | HR6631 (Lo-16bits)             |
| HR6633           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6634           |                                                  |        |        | HR6633 (Lo-16bits)             |
| HR6635           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6636           |                                                  |        |        | HR6635 (Lo-16bits)             |
| HR6637           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6638           |                                                  |        |        | HR6637 (Lo-16bits)             |
| HR6639           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6640           |                                                  |        |        | HR6639 (Lo-16bits)             |
| HR6641           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6642           |                                                  |        |        | HR6641 (Lo-16bits)             |
| HR6643           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6644           |                                                  |        |        | HR6643 (Lo-16bits)             |
| HR6645           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6646           |                                                  |        |        | HR6645 (Lo-16bits)             |
| HR6647           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6648           |                                                  |        |        | HR6647 (Lo-16bits)             |
| HR6649           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6650           |                                                  |        |        | HR6649 (Lo-16bits)             |
| HR6651           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6652           |                                                  |        |        | HR6651 (Lo-16bits)             |
| HR6653           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6654           |                                                  |        |        | HR6653 (Lo-16bits)             |
| HR6655           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR6656           |                                                 |        |        | HR6655 (Lo-16bits)             |
| HR6657           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6658           |                                                 |        |        | HR6657 (Lo-16bits)             |
| HR6659           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6660           |                                                 |        |        | HR6659 (Lo-16bits)             |
| HR6661           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6662           |                                                 |        |        | HR6661 (Lo-16bits)             |
| HR6663           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6664           |                                                 |        |        | HR6663 (Lo-16bits)             |
| HR6665           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6666           |                                                 |        |        | HR6665 (Lo-16bits)             |
| HR6667           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6668           |                                                 |        |        | HR6667 (Lo-16bits)             |
| HR6669           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6670           |                                                 |        |        | HR6669 (Lo-16bits)             |
| HR6671           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6672           |                                                 |        |        | HR6671 (Lo-16bits)             |
| HR6673           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6674           |                                                 |        |        | HR6673 (Lo-16bits)             |
| HR6675           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6676           |                                                 |        |        | HR6675 (Lo-16bits)             |
| HR6677           | DEF4:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR6678           |                                                 |        |        | HR6677 (Lo-16bits)             |
| HR6679           | DEF4:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR6680           |                                                 |        |        | HR6679 (Lo-16bits)             |
| HR6681           | DEF4:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR6682           |                                                 |        |        | HR6681 (Lo-16bits)             |
| HR6683           | DEF4:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR6684           |                                                 |        |        | HR6683 (Lo-16bits)             |

| Holding Register | Parameter                                          | Access | Length |                                                        |
|------------------|----------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6685           | DEF4:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6686           |                                                    |        |        | HR6685 (Lo-16bits)                                     |
| HR6687           | DEF4:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6688           |                                                    |        |        | HR6687 (Lo-16bits)                                     |
| HR6689           | DEF4:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6690           |                                                    |        |        | HR6689 (Lo-16bits)                                     |
| HR6691           | DEF4:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6692           |                                                    |        |        | HR6691 (Lo-16bits)                                     |
| HR6693           | DEF4:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6694           | DEF4:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6695           | DEF4:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6696           | DEF4:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6697           | DEF4:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6698           | DEF4:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6699           | DEF4:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6700           | DEF4:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6701           | DEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6702           | DEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6703           | DEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6704           | DEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6705           | DEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6706           | DEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6707           | DEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6708           | DEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6709           | DEF4:Definite operating<br>time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6710           |                                                    |        |        | HR6709 (Lo-16bits)                                     |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR6711           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6712           |                                                 |        |        | HR6711 (Lo-16bits)           |
| HR6713           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6714           |                                                 |        |        | HR6713 (Lo-16bits)           |
| HR6715           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6716           |                                                 |        |        | HR6715 (Lo-16bits)           |
| HR6717           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6718           |                                                 |        |        | HR6717 (Lo-16bits)           |
| HR6719           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6720           |                                                 |        |        | HR6719 (Lo-16bits)           |
| HR6721           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6722           |                                                 |        |        | HR6721 (Lo-16bits)           |
| HR6723           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6724           |                                                 |        |        | HR6723 (Lo-16bits)           |
| HR6725           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6726           |                                                 |        |        | HR6725 (Lo-16bits)           |
| HR6727           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6728           |                                                 |        |        | HR6727 (Lo-16bits)           |
| HR6729           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6730           |                                                 |        |        | HR6729 (Lo-16bits)           |
| HR6731           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6732           |                                                 |        |        | HR6731 (Lo-16bits)           |
| HR6733           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6734           |                                                 |        |        | HR6733 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6735           | DEF4:Definite operating time delay(Uneearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6736           |                                                |        |        | HR6735 (Lo-16bits)           |
| HR6737           | DEF4:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6738           |                                                |        |        | HR6737 (Lo-16bits)           |
| HR6739           | DEF4:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6740           |                                                |        |        | HR6739 (Lo-16bits)           |
| HR6741           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6742           |                                                |        |        | HR6741 (Lo-16bits)           |
| HR6743           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6744           |                                                |        |        | HR6743 (Lo-16bits)           |
| HR6745           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6746           |                                                |        |        | HR6745 (Lo-16bits)           |
| HR6747           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6748           |                                                |        |        | HR6747 (Lo-16bits)           |
| HR6749           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6750           |                                                |        |        | HR6749 (Lo-16bits)           |
| HR6751           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6752           |                                                |        |        | HR6751 (Lo-16bits)           |
| HR6753           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6754           |                                                |        |        | HR6753 (Lo-16bits)           |
| HR6755           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6756           |                                                |        |        | HR6755 (Lo-16bits)           |
| HR6757           | DEF4:Delay curve series                        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6758           | DEF4:Delay curve series                        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6759           | DEF4:Delay curve series                        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR6760           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6761           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6762           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6763           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6764           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6765           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6766           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6767           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6768           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6769           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6770           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6771           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6772           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6773           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6774           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6775           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6776           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6777           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6778           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6779           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6780           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6781           | DEF4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |



| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR6782           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR6783           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR6784           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR6785           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR6786           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR6787           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR6788           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR6789           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6790           |                               |        |        | HR6789 (Lo-16bits)            |
| HR6791           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6792           |                               |        |        | HR6791 (Lo-16bits)            |
| HR6793           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6794           |                               |        |        | HR6793 (Lo-16bits)            |
| HR6795           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6796           |                               |        |        | HR6795 (Lo-16bits)            |
| HR6797           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6798           |                               |        |        | HR6797 (Lo-16bits)            |
| HR6799           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6800           |                               |        |        | HR6799 (Lo-16bits)            |
| HR6801           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6802           |                               |        |        | HR6801 (Lo-16bits)            |
| HR6803           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6804           |                               |        |        | HR6803 (Lo-16bits)            |
| HR6805           | DEF4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6806           |                               |        |        | HR6805 (Lo-16bits)            |
| HR6807           | DEF4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6808           |                               |        |        | HR6807 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR6809           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6810           |                    |        |        | HR6809 (Lo-16bits)          |
| HR6811           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6812           |                    |        |        | HR6811 (Lo-16bits)          |
| HR6813           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6814           |                    |        |        | HR6813 (Lo-16bits)          |
| HR6815           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6816           |                    |        |        | HR6815 (Lo-16bits)          |
| HR6817           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6818           |                    |        |        | HR6817 (Lo-16bits)          |
| HR6819           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6820           |                    |        |        | HR6819 (Lo-16bits)          |
| HR6821           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6822           |                    |        |        | HR6821 (Lo-16bits)          |
| HR6823           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6824           |                    |        |        | HR6823 (Lo-16bits)          |
| HR6825           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6826           |                    |        |        | HR6825 (Lo-16bits)          |
| HR6827           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6828           |                    |        |        | HR6827 (Lo-16bits)          |
| HR6829           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6830           |                    |        |        | HR6829 (Lo-16bits)          |
| HR6831           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6832           |                    |        |        | HR6831 (Lo-16bits)          |
| HR6833           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6834           |                    |        |        | HR6833 (Lo-16bits)          |
| HR6835           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6836           |                    |        |        | HR6835 (Lo-16bits)          |
| HR6837           | DEF4:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6838           |                    |        |        | HR6837 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6839           | DEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6840           |                                                                         |        |        | HR6839 (Lo-16bits)           |
| HR6841           | DEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6842           |                                                                         |        |        | HR6841 (Lo-16bits)           |
| HR6843           | DEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6844           |                                                                         |        |        | HR6843 (Lo-16bits)           |
| HR6845           | DEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6846           |                                                                         |        |        | HR6845 (Lo-16bits)           |
| HR6847           | DEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6848           |                                                                         |        |        | HR6847 (Lo-16bits)           |
| HR6849           | DEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6850           |                                                                         |        |        | HR6849 (Lo-16bits)           |
| HR6851           | DEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6852           |                                                                         |        |        | HR6851 (Lo-16bits)           |
| HR6853           | DEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6854           | DEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6855           | DEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6856           | DEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6857           | DEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6858           | DEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6859           | DEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6860           | DEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6861           | DEF4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6862           |                                                                         |        |        | HR6861 (Lo-16bits)           |
| HR6863           | DEF4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6864           |                                                |        |        | HR6863 (Lo-16bits)           |
| HR6865           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6866           |                                                |        |        | HR6865 (Lo-16bits)           |
| HR6867           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6868           |                                                |        |        | HR6867 (Lo-16bits)           |
| HR6869           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6870           |                                                |        |        | HR6869 (Lo-16bits)           |
| HR6871           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6872           |                                                |        |        | HR6871 (Lo-16bits)           |
| HR6873           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6874           |                                                |        |        | HR6873 (Lo-16bits)           |
| HR6875           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6876           |                                                |        |        | HR6875 (Lo-16bits)           |
| HR6877           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6878           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6879           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6880           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6881           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6882           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6883           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6884           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6885           | DEF4:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6886           |                                                |        |        | HR6885 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6887           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6888           |                                                    |        |        | HR6887 (Lo-16bits)          |
| HR6889           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6890           |                                                    |        |        | HR6889 (Lo-16bits)          |
| HR6891           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6892           |                                                    |        |        | HR6891 (Lo-16bits)          |
| HR6893           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6894           |                                                    |        |        | HR6893 (Lo-16bits)          |
| HR6895           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6896           |                                                    |        |        | HR6895 (Lo-16bits)          |
| HR6897           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6898           |                                                    |        |        | HR6897 (Lo-16bits)          |
| HR6899           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6900           |                                                    |        |        | HR6899 (Lo-16bits)          |
| HR6901           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6902           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6903           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6904           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6905           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6906           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6907           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6908           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6909           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6910           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR6911           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6912           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6913           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6914           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6915           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6916           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6917           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6918           |                                                    |        |        | HR6917 (Lo-16bits)            |
| HR6919           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6920           |                                                    |        |        | HR6919 (Lo-16bits)            |
| HR6921           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6922           |                                                    |        |        | HR6921 (Lo-16bits)            |
| HR6923           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6924           |                                                    |        |        | HR6923 (Lo-16bits)            |
| HR6925           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6926           |                                                    |        |        | HR6925 (Lo-16bits)            |
| HR6927           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6928           |                                                    |        |        | HR6927 (Lo-16bits)            |
| HR6929           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6930           |                                                    |        |        | HR6929 (Lo-16bits)            |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR6931           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6932           |                               |        |        | HR6931 (Lo-16bits)            |
| HR6933           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6934           |                               |        |        | HR6933 (Lo-16bits)            |
| HR6935           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6936           |                               |        |        | HR6935 (Lo-16bits)            |
| HR6937           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6938           |                               |        |        | HR6937 (Lo-16bits)            |
| HR6939           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6940           |                               |        |        | HR6939 (Lo-16bits)            |
| HR6941           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6942           |                               |        |        | HR6941 (Lo-16bits)            |
| HR6943           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6944           |                               |        |        | HR6943 (Lo-16bits)            |
| HR6945           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6946           |                               |        |        | HR6945 (Lo-16bits)            |
| HR6947           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6948           |                               |        |        | HR6947 (Lo-16bits)            |
| HR6949           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR6950           |                               |        |        | HR6949 (Lo-16bits)            |
| HR6951           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR6952           |                               |        |        | HR6951 (Lo-16bits)            |
| HR6953           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR6954           |                               |        |        | HR6953 (Lo-16bits)            |
| HR6955           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR6956           |                               |        |        | HR6955 (Lo-16bits)            |
| HR6957           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6958           |                                              |        |        | HR6957 (Lo-16bits)           |
| HR6959           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6960           |                                              |        |        | HR6959 (Lo-16bits)           |
| HR6961           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6962           |                                              |        |        | HR6961 (Lo-16bits)           |
| HR6963           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6964           |                                              |        |        | HR6963 (Lo-16bits)           |
| HR6965           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6966           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6967           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6968           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6969           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6970           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6971           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6972           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6973           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6974           |                                              |        |        | HR6973 (Lo-16bits)           |
| HR6975           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6976           |                                              |        |        | HR6975 (Lo-16bits)           |
| HR6977           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6978           |                                              |        |        | HR6977 (Lo-16bits)           |
| HR6979           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6980           |                                              |        |        | HR6979 (Lo-16bits)           |
| HR6981           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6982           |                                              |        |        | HR6981 (Lo-16bits)           |
| HR6983           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |



| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6984           |                                              |        |        | HR6983 (Lo-16bits)                                          |
| HR6985           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6986           |                                              |        |        | HR6985 (Lo-16bits)                                          |
| HR6987           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6988           |                                              |        |        | HR6987 (Lo-16bits)                                          |
| HR6989           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6990           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6991           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6992           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6993           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6994           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6995           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6996           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6997           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6998           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6999           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7000           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7001           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7002           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7003           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7004           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7005           | CUB1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7006           | CUB1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7007           | CUB1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR7008           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7009           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7010           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7011           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7012           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7013           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7014           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7015           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7016           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7017           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7018           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7019           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7020           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7021           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7022           |                               |        |        | HR7021 (Lo-16bits)                                          |
| HR7023           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7024           |                               |        |        | HR7023 (Lo-16bits)                                          |
| HR7025           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7026           |                               |        |        | HR7025 (Lo-16bits)                                          |
| HR7027           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7028           |                               |        |        | HR7027 (Lo-16bits)                                          |
| HR7029           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7030           |                               |        |        | HR7029 (Lo-16bits)                                          |
| HR7031           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7032           |                          |        |        | HR7031 (Lo-16bits)            |
| HR7033           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7034           |                          |        |        | HR7033 (Lo-16bits)            |
| HR7035           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7036           |                          |        |        | HR7035 (Lo-16bits)            |
| HR7037           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7038           |                          |        |        | HR7037 (Lo-16bits)            |
| HR7039           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7040           |                          |        |        | HR7039 (Lo-16bits)            |
| HR7041           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7042           |                          |        |        | HR7041 (Lo-16bits)            |
| HR7043           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7044           |                          |        |        | HR7043 (Lo-16bits)            |
| HR7045           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7046           |                          |        |        | HR7045 (Lo-16bits)            |
| HR7047           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7048           |                          |        |        | HR7047 (Lo-16bits)            |
| HR7049           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7050           |                          |        |        | HR7049 (Lo-16bits)            |
| HR7051           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7052           |                          |        |        | HR7051 (Lo-16bits)            |
| HR7053           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7054           |                          |        |        | HR7053 (Lo-16bits)            |
| HR7055           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7056           |                          |        |        | HR7055 (Lo-16bits)            |
| HR7057           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7058           |                          |        |        | HR7057 (Lo-16bits)            |
| HR7059           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7060           |                          |        |        | HR7059 (Lo-16bits)            |
| HR7061           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7062           |                              |        |        | HR7061 (Lo-16bits)          |
| HR7063           | CUB1:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7064           |                              |        |        | HR7063 (Lo-16bits)          |
| HR7065           | CUB1:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7066           |                              |        |        | HR7065 (Lo-16bits)          |
| HR7067           | CUB1:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7068           |                              |        |        | HR7067 (Lo-16bits)          |
| HR7069           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7070           |                              |        |        | HR7069 (Lo-16bits)          |
| HR7071           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7072           |                              |        |        | HR7071 (Lo-16bits)          |
| HR7073           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7074           |                              |        |        | HR7073 (Lo-16bits)          |
| HR7075           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7076           |                              |        |        | HR7075 (Lo-16bits)          |
| HR7077           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7078           |                              |        |        | HR7077 (Lo-16bits)          |
| HR7079           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7080           |                              |        |        | HR7079 (Lo-16bits)          |
| HR7081           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7082           |                              |        |        | HR7081 (Lo-16bits)          |
| HR7083           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7084           |                              |        |        | HR7083 (Lo-16bits)          |
| HR7085           | CUB1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7086           | CUB1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7087           | CUB1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7088           | CUB1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7089           | CUB1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR7090           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7091           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7092           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7093           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7094           |                                            |        |        | HR7093 (Lo-16bits)          |
| HR7095           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7096           |                                            |        |        | HR7095 (Lo-16bits)          |
| HR7097           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7098           |                                            |        |        | HR7097 (Lo-16bits)          |
| HR7099           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7100           |                                            |        |        | HR7099 (Lo-16bits)          |
| HR7101           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7102           |                                            |        |        | HR7101 (Lo-16bits)          |
| HR7103           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7104           |                                            |        |        | HR7103 (Lo-16bits)          |
| HR7105           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7106           |                                            |        |        | HR7105 (Lo-16bits)          |
| HR7107           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7108           |                                            |        |        | HR7107 (Lo-16bits)          |
| HR7109           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7110           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7111           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7112           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7113           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7114           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7115           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7116           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7117           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7118           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7119           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7120           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7121           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7122           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7123           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7124           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7125           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7126           |                                                    |        |        | HR7125 (Lo-16bits)            |
| HR7127           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7128           |                                                    |        |        | HR7127 (Lo-16bits)            |
| HR7129           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7130           |                                                    |        |        | HR7129 (Lo-16bits)            |
| HR7131           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7132           |                                                    |        |        | HR7131 (Lo-16bits)            |
| HR7133           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7134           |                               |        |        | HR7133 (Lo-16bits)            |
| HR7135           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7136           |                               |        |        | HR7135 (Lo-16bits)            |
| HR7137           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7138           |                               |        |        | HR7137 (Lo-16bits)            |
| HR7139           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7140           |                               |        |        | HR7139 (Lo-16bits)            |
| HR7141           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7142           |                               |        |        | HR7141 (Lo-16bits)            |
| HR7143           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7144           |                               |        |        | HR7143 (Lo-16bits)            |
| HR7145           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7146           |                               |        |        | HR7145 (Lo-16bits)            |
| HR7147           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7148           |                               |        |        | HR7147 (Lo-16bits)            |
| HR7149           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7150           |                               |        |        | HR7149 (Lo-16bits)            |
| HR7151           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7152           |                               |        |        | HR7151 (Lo-16bits)            |
| HR7153           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7154           |                               |        |        | HR7153 (Lo-16bits)            |
| HR7155           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7156           |                               |        |        | HR7155 (Lo-16bits)            |
| HR7157           | CUB2:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7158           |                               |        |        | HR7157 (Lo-16bits)            |
| HR7159           | CUB2:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7160           |                               |        |        | HR7159 (Lo-16bits)            |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7161           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7162           |                                              |        |        | HR7161 (Lo-16bits)           |
| HR7163           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7164           |                                              |        |        | HR7163 (Lo-16bits)           |
| HR7165           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7166           |                                              |        |        | HR7165 (Lo-16bits)           |
| HR7167           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7168           |                                              |        |        | HR7167 (Lo-16bits)           |
| HR7169           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7170           |                                              |        |        | HR7169 (Lo-16bits)           |
| HR7171           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7172           |                                              |        |        | HR7171 (Lo-16bits)           |
| HR7173           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7174           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7175           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7176           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7177           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7178           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7179           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7180           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7181           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7182           |                                              |        |        | HR7181 (Lo-16bits)           |
| HR7183           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7184           |                                              |        |        | HR7183 (Lo-16bits)           |
| HR7185           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7186           |                                              |        |        | HR7185 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7187           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7188           |                                              |        |        | HR7187 (Lo-16bits)           |
| HR7189           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7190           |                                              |        |        | HR7189 (Lo-16bits)           |
| HR7191           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7192           |                                              |        |        | HR7191 (Lo-16bits)           |
| HR7193           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7194           |                                              |        |        | HR7193 (Lo-16bits)           |
| HR7195           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7196           |                                              |        |        | HR7195 (Lo-16bits)           |
| HR7197           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7198           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7199           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7200           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7201           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7202           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7203           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7204           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7205           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7206           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7207           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7208           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7209           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7210           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7211           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7212           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7213           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7214           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7215           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7216           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7217           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7218           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7219           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7220           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7221           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7222           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7223           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7224           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7225           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7226           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7227           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7228           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7229           | CUB2:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7230           |                                |        |        | HR7229 (Lo-16bits)                                          |
| HR7231           | CUB2:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7232           |                          |        |        | HR7231 (Lo-16bits)            |
| HR7233           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7234           |                          |        |        | HR7233 (Lo-16bits)            |
| HR7235           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7236           |                          |        |        | HR7235 (Lo-16bits)            |
| HR7237           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7238           |                          |        |        | HR7237 (Lo-16bits)            |
| HR7239           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7240           |                          |        |        | HR7239 (Lo-16bits)            |
| HR7241           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7242           |                          |        |        | HR7241 (Lo-16bits)            |
| HR7243           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7244           |                          |        |        | HR7243 (Lo-16bits)            |
| HR7245           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7246           |                          |        |        | HR7245 (Lo-16bits)            |
| HR7247           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7248           |                          |        |        | HR7247 (Lo-16bits)            |
| HR7249           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7250           |                          |        |        | HR7249 (Lo-16bits)            |
| HR7251           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7252           |                          |        |        | HR7251 (Lo-16bits)            |
| HR7253           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7254           |                          |        |        | HR7253 (Lo-16bits)            |
| HR7255           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7256           |                          |        |        | HR7255 (Lo-16bits)            |
| HR7257           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7258           |                          |        |        | HR7257 (Lo-16bits)            |
| HR7259           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7260           |                          |        |        | HR7259 (Lo-16bits)            |
| HR7261           | CUB2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7262           |                    |        |        | HR7261 (Lo-16bits)          |
| HR7263           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7264           |                    |        |        | HR7263 (Lo-16bits)          |
| HR7265           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7266           |                    |        |        | HR7265 (Lo-16bits)          |
| HR7267           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7268           |                    |        |        | HR7267 (Lo-16bits)          |
| HR7269           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7270           |                    |        |        | HR7269 (Lo-16bits)          |
| HR7271           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7272           |                    |        |        | HR7271 (Lo-16bits)          |
| HR7273           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7274           |                    |        |        | HR7273 (Lo-16bits)          |
| HR7275           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7276           |                    |        |        | HR7275 (Lo-16bits)          |
| HR7277           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7278           |                    |        |        | HR7277 (Lo-16bits)          |
| HR7279           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7280           |                    |        |        | HR7279 (Lo-16bits)          |
| HR7281           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7282           |                    |        |        | HR7281 (Lo-16bits)          |
| HR7283           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7284           |                    |        |        | HR7283 (Lo-16bits)          |
| HR7285           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7286           |                    |        |        | HR7285 (Lo-16bits)          |
| HR7287           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7288           |                    |        |        | HR7287 (Lo-16bits)          |
| HR7289           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7290           |                    |        |        | HR7289 (Lo-16bits)          |
| HR7291           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR7292           |                                            |        |        | HR7291 (Lo-16bits)          |
| HR7293           | CUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7294           | CUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7295           | CUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7296           | CUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7297           | CUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7298           | CUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7299           | CUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7300           | CUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7301           | CUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7302           |                                            |        |        | HR7301 (Lo-16bits)          |
| HR7303           | CUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7304           |                                            |        |        | HR7303 (Lo-16bits)          |
| HR7305           | CUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7306           |                                            |        |        | HR7305 (Lo-16bits)          |
| HR7307           | CUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7308           |                                            |        |        | HR7307 (Lo-16bits)          |
| HR7309           | CUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7310           |                                            |        |        | HR7309 (Lo-16bits)          |
| HR7311           | CUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7312           |                                            |        |        | HR7311 (Lo-16bits)          |
| HR7313           | CUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7314           |                                            |        |        | HR7313 (Lo-16bits)          |
| HR7315           | CUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7316           |                                            |        |        | HR7315 (Lo-16bits)          |
| HR7317           | CUB2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7318           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7319           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7320           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7321           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7322           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7323           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7324           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7325           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7326           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7327           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7328           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7329           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7330           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7331           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7332           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7333           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7334           |                                                    |        |        | HR7333 (Lo-16bits)            |
| HR7335           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7336           |                               |        |        | HR7335 (Lo-16bits)            |
| HR7337           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7338           |                               |        |        | HR7337 (Lo-16bits)            |
| HR7339           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7340           |                               |        |        | HR7339 (Lo-16bits)            |
| HR7341           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7342           |                               |        |        | HR7341 (Lo-16bits)            |
| HR7343           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7344           |                               |        |        | HR7343 (Lo-16bits)            |
| HR7345           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7346           |                               |        |        | HR7345 (Lo-16bits)            |
| HR7347           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7348           |                               |        |        | HR7347 (Lo-16bits)            |
| HR7349           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7350           |                               |        |        | HR7349 (Lo-16bits)            |
| HR7351           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7352           |                               |        |        | HR7351 (Lo-16bits)            |
| HR7353           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7354           |                               |        |        | HR7353 (Lo-16bits)            |
| HR7355           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7356           |                               |        |        | HR7355 (Lo-16bits)            |
| HR7357           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7358           |                               |        |        | HR7357 (Lo-16bits)            |
| HR7359           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7360           |                               |        |        | HR7359 (Lo-16bits)            |
| HR7361           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7362           |                               |        |        | HR7361 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7363           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7364           |                            |        |        | HR7363 (Lo-16bits)           |
| HR7365           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7366           |                            |        |        | HR7365 (Lo-16bits)           |
| HR7367           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7368           |                            |        |        | HR7367 (Lo-16bits)           |
| HR7369           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7370           |                            |        |        | HR7369 (Lo-16bits)           |
| HR7371           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7372           |                            |        |        | HR7371 (Lo-16bits)           |
| HR7373           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7374           |                            |        |        | HR7373 (Lo-16bits)           |
| HR7375           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7376           |                            |        |        | HR7375 (Lo-16bits)           |
| HR7377           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7378           |                            |        |        | HR7377 (Lo-16bits)           |
| HR7379           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7380           |                            |        |        | HR7379 (Lo-16bits)           |
| HR7381           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7382           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7383           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7384           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7385           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7386           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7387           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7388           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7389           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7390           |                                              |        |        | HR7389 (Lo-16bits)           |
| HR7391           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7392           |                                              |        |        | HR7391 (Lo-16bits)           |
| HR7393           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7394           |                                              |        |        | HR7393 (Lo-16bits)           |
| HR7395           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7396           |                                              |        |        | HR7395 (Lo-16bits)           |
| HR7397           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7398           |                                              |        |        | HR7397 (Lo-16bits)           |
| HR7399           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7400           |                                              |        |        | HR7399 (Lo-16bits)           |
| HR7401           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7402           |                                              |        |        | HR7401 (Lo-16bits)           |
| HR7403           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7404           |                                              |        |        | HR7403 (Lo-16bits)           |
| HR7405           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7406           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7407           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7408           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7409           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7410           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7411           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7412           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7413           | CUB3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7414           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7415           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7416           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7417           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7418           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7419           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7420           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7421           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7422           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7423           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7424           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7425           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7426           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7427           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7428           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7429           | CUB3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7430           | CUB3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7431           | CUB3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7432           | CUB3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7433           | CUB3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7434           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7435           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7436           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7437           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7438           |                               |        |        | HR7437 (Lo-16bits)            |
| HR7439           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7440           |                               |        |        | HR7439 (Lo-16bits)            |
| HR7441           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7442           |                               |        |        | HR7441 (Lo-16bits)            |
| HR7443           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7444           |                               |        |        | HR7443 (Lo-16bits)            |
| HR7445           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7446           |                               |        |        | HR7445 (Lo-16bits)            |
| HR7447           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7448           |                               |        |        | HR7447 (Lo-16bits)            |
| HR7449           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7450           |                               |        |        | HR7449 (Lo-16bits)            |
| HR7451           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7452           |                               |        |        | HR7451 (Lo-16bits)            |
| HR7453           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7454           |                               |        |        | HR7453 (Lo-16bits)            |
| HR7455           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7456           |                               |        |        | HR7455 (Lo-16bits)            |
| HR7457           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7458           |                               |        |        | HR7457 (Lo-16bits)            |
| HR7459           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7460           |                               |        |        | HR7459 (Lo-16bits)            |
| HR7461           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7462           |                               |        |        | HR7461 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7463           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7464           |                    |        |        | HR7463 (Lo-16bits)          |
| HR7465           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7466           |                    |        |        | HR7465 (Lo-16bits)          |
| HR7467           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7468           |                    |        |        | HR7467 (Lo-16bits)          |
| HR7469           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7470           |                    |        |        | HR7469 (Lo-16bits)          |
| HR7471           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7472           |                    |        |        | HR7471 (Lo-16bits)          |
| HR7473           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7474           |                    |        |        | HR7473 (Lo-16bits)          |
| HR7475           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7476           |                    |        |        | HR7475 (Lo-16bits)          |
| HR7477           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7478           |                    |        |        | HR7477 (Lo-16bits)          |
| HR7479           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7480           |                    |        |        | HR7479 (Lo-16bits)          |
| HR7481           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7482           |                    |        |        | HR7481 (Lo-16bits)          |
| HR7483           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7484           |                    |        |        | HR7483 (Lo-16bits)          |
| HR7485           | CUB3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7486           |                    |        |        | HR7485 (Lo-16bits)          |
| HR7487           | CUB3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7488           |                    |        |        | HR7487 (Lo-16bits)          |
| HR7489           | CUB3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7490           |                    |        |        | HR7489 (Lo-16bits)          |
| HR7491           | CUB3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7492           |                    |        |        | HR7491 (Lo-16bits)          |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7493           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7494           |                              |        |        | HR7493 (Lo-16bits)          |
| HR7495           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7496           |                              |        |        | HR7495 (Lo-16bits)          |
| HR7497           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7498           |                              |        |        | HR7497 (Lo-16bits)          |
| HR7499           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7500           |                              |        |        | HR7499 (Lo-16bits)          |
| HR7501           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7502           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7503           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7504           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7505           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7506           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7507           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7508           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7509           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7510           |                              |        |        | HR7509 (Lo-16bits)          |
| HR7511           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7512           |                              |        |        | HR7511 (Lo-16bits)          |
| HR7513           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7514           |                              |        |        | HR7513 (Lo-16bits)          |
| HR7515           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7516           |                              |        |        | HR7515 (Lo-16bits)          |
| HR7517           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7518           |                              |        |        | HR7517 (Lo-16bits)          |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7519           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7520           |                                                    |        |        | HR7519 (Lo-16bits)          |
| HR7521           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7522           |                                                    |        |        | HR7521 (Lo-16bits)          |
| HR7523           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7524           |                                                    |        |        | HR7523 (Lo-16bits)          |
| HR7525           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7526           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7527           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7528           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7529           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7530           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7531           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7532           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7533           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7534           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7535           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7536           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7537           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7538           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7539           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7540           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7541           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7542           |                                                    |        |        | HR7541 (Lo-16bits)            |
| HR7543           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7544           |                                                    |        |        | HR7543 (Lo-16bits)            |
| HR7545           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7546           |                                                    |        |        | HR7545 (Lo-16bits)            |
| HR7547           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7548           |                                                    |        |        | HR7547 (Lo-16bits)            |
| HR7549           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7550           |                                                    |        |        | HR7549 (Lo-16bits)            |
| HR7551           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7552           |                                                    |        |        | HR7551 (Lo-16bits)            |
| HR7553           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7554           |                                                    |        |        | HR7553 (Lo-16bits)            |
| HR7555           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7556           |                                                    |        |        | HR7555 (Lo-16bits)            |
| HR7557           | CUB4:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7558           |                                                    |        |        | HR7557 (Lo-16bits)            |
| HR7559           | CUB4:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7560           |                                                    |        |        | HR7559 (Lo-16bits)            |
| HR7561           | CUB4:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7562           |                                                    |        |        | HR7561 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7563           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7564           |                            |        |        | HR7563 (Lo-16bits)           |
| HR7565           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7566           |                            |        |        | HR7565 (Lo-16bits)           |
| HR7567           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7568           |                            |        |        | HR7567 (Lo-16bits)           |
| HR7569           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7570           |                            |        |        | HR7569 (Lo-16bits)           |
| HR7571           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7572           |                            |        |        | HR7571 (Lo-16bits)           |
| HR7573           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7574           |                            |        |        | HR7573 (Lo-16bits)           |
| HR7575           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7576           |                            |        |        | HR7575 (Lo-16bits)           |
| HR7577           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7578           |                            |        |        | HR7577 (Lo-16bits)           |
| HR7579           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7580           |                            |        |        | HR7579 (Lo-16bits)           |
| HR7581           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7582           |                            |        |        | HR7581 (Lo-16bits)           |
| HR7583           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7584           |                            |        |        | HR7583 (Lo-16bits)           |
| HR7585           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7586           |                            |        |        | HR7585 (Lo-16bits)           |
| HR7587           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7588           |                            |        |        | HR7587 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7589           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7590           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7591           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7592           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7593           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7594           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7595           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7596           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7597           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7598           |                                              |        |        | HR7597 (Lo-16bits)           |
| HR7599           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7600           |                                              |        |        | HR7599 (Lo-16bits)           |
| HR7601           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7602           |                                              |        |        | HR7601 (Lo-16bits)           |
| HR7603           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7604           |                                              |        |        | HR7603 (Lo-16bits)           |
| HR7605           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7606           |                                              |        |        | HR7605 (Lo-16bits)           |
| HR7607           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7608           |                                              |        |        | HR7607 (Lo-16bits)           |
| HR7609           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7610           |                                              |        |        | HR7609 (Lo-16bits)           |
| HR7611           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7612           |                                              |        |        | HR7611 (Lo-16bits)           |
| HR7613           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7614           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7615           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7616           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7617           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7618           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7619           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7620           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7621           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7622           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7623           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7624           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7625           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7626           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7627           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7628           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7629           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7630           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7631           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7632           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7633           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7634           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7635           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7636           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7637           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7638           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7639           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7640           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7641           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7642           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7643           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7644           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7645           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7646           |                               |        |        | HR7645 (Lo-16bits)            |
| HR7647           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7648           |                               |        |        | HR7647 (Lo-16bits)            |
| HR7649           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7650           |                               |        |        | HR7649 (Lo-16bits)            |
| HR7651           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7652           |                               |        |        | HR7651 (Lo-16bits)            |
| HR7653           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7654           |                               |        |        | HR7653 (Lo-16bits)            |
| HR7655           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7656           |                               |        |        | HR7655 (Lo-16bits)            |
| HR7657           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7658           |                               |        |        | HR7657 (Lo-16bits)            |
| HR7659           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7660           |                               |        |        | HR7659 (Lo-16bits)            |
| HR7661           | CUB4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7662           |                               |        |        | HR7661 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7663           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7664           |                    |        |        | HR7663 (Lo-16bits)          |
| HR7665           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7666           |                    |        |        | HR7665 (Lo-16bits)          |
| HR7667           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7668           |                    |        |        | HR7667 (Lo-16bits)          |
| HR7669           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7670           |                    |        |        | HR7669 (Lo-16bits)          |
| HR7671           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7672           |                    |        |        | HR7671 (Lo-16bits)          |
| HR7673           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7674           |                    |        |        | HR7673 (Lo-16bits)          |
| HR7675           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7676           |                    |        |        | HR7675 (Lo-16bits)          |
| HR7677           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7678           |                    |        |        | HR7677 (Lo-16bits)          |
| HR7679           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7680           |                    |        |        | HR7679 (Lo-16bits)          |
| HR7681           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7682           |                    |        |        | HR7681 (Lo-16bits)          |
| HR7683           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7684           |                    |        |        | HR7683 (Lo-16bits)          |
| HR7685           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7686           |                    |        |        | HR7685 (Lo-16bits)          |
| HR7687           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7688           |                    |        |        | HR7687 (Lo-16bits)          |
| HR7689           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7690           |                    |        |        | HR7689 (Lo-16bits)          |
| HR7691           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7692           |                    |        |        | HR7691 (Lo-16bits)          |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7693           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7694           |                              |        |        | HR7693 (Lo-16bits)          |
| HR7695           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7696           |                              |        |        | HR7695 (Lo-16bits)          |
| HR7697           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7698           |                              |        |        | HR7697 (Lo-16bits)          |
| HR7699           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7700           |                              |        |        | HR7699 (Lo-16bits)          |
| HR7701           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7702           |                              |        |        | HR7701 (Lo-16bits)          |
| HR7703           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7704           |                              |        |        | HR7703 (Lo-16bits)          |
| HR7705           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7706           |                              |        |        | HR7705 (Lo-16bits)          |
| HR7707           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7708           |                              |        |        | HR7707 (Lo-16bits)          |
| HR7709           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7710           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7711           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7712           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7713           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7714           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7715           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7716           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7717           | CUB4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7718           |                              |        |        | HR7717 (Lo-16bits)          |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7719           | CUB4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7720           |                                                    |        |        | HR7719 (Lo-16bits)          |
| HR7721           | CUB4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7722           |                                                    |        |        | HR7721 (Lo-16bits)          |
| HR7723           | CUB4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7724           |                                                    |        |        | HR7723 (Lo-16bits)          |
| HR7725           | CUB4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7726           |                                                    |        |        | HR7725 (Lo-16bits)          |
| HR7727           | CUB4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7728           |                                                    |        |        | HR7727 (Lo-16bits)          |
| HR7729           | CUB4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7730           |                                                    |        |        | HR7729 (Lo-16bits)          |
| HR7731           | CUB4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7732           |                                                    |        |        | HR7731 (Lo-16bits)          |
| HR7733           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7734           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7735           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7736           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7737           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7738           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7739           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7740           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7741           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7742           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                       |
|------------------|----------------------------------------------------|--------|--------|---------------------------------------|
| HR7743           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7744           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7745           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7746           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7747           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7748           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7749           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7750           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7751           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7752           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7753           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7754           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7755           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7756           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7757           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7758           |                                                    |        |        | HR7757 (Lo-16bits)                    |
| HR7759           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7760           |                                                    |        |        | HR7759 (Lo-16bits)                    |
| HR7761           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7762           |                                                    |        |        | HR7761 (Lo-16bits)                    |
| HR7763           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7764           |                                                    |        |        | HR7763 (Lo-16bits)                    |
| HR7765           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7766           |                                                    |        |        | HR7765 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR7767           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7768           |                                   |        |        | HR7767 (Lo-16bits)           |
| HR7769           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7770           |                                   |        |        | HR7769 (Lo-16bits)           |
| HR7771           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7772           |                                   |        |        | HR7771 (Lo-16bits)           |
| HR7773           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7774           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7775           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7776           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7777           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7778           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7779           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7780           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7781           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7782           |                                   |        |        | HR7781 (Lo-16bits)           |
| HR7783           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7784           |                                   |        |        | HR7783 (Lo-16bits)           |
| HR7785           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7786           |                                   |        |        | HR7785 (Lo-16bits)           |
| HR7787           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7788           |                                   |        |        | HR7787 (Lo-16bits)           |
| HR7789           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7790           |                                   |        |        | HR7789 (Lo-16bits)           |
| HR7791           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7792           |                                   |        |        | HR7791 (Lo-16bits)           |
| HR7793           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |



| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR7794           |                                   |        |        | HR7793 (Lo-16bits)            |
| HR7795           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7796           |                                   |        |        | HR7795 (Lo-16bits)            |
| HR7797           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7798           |                                   |        |        | HR7797 (Lo-16bits)            |
| HR7799           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7800           |                                   |        |        | HR7799 (Lo-16bits)            |
| HR7801           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7802           |                                   |        |        | HR7801 (Lo-16bits)            |
| HR7803           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7804           |                                   |        |        | HR7803 (Lo-16bits)            |
| HR7805           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7806           |                                   |        |        | HR7805 (Lo-16bits)            |
| HR7807           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7808           |                                   |        |        | HR7807 (Lo-16bits)            |
| HR7809           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7810           |                                   |        |        | HR7809 (Lo-16bits)            |
| HR7811           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7812           |                                   |        |        | HR7811 (Lo-16bits)            |
| HR7813           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7814           |                                   |        |        | HR7813 (Lo-16bits)            |
| HR7815           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7816           |                                   |        |        | HR7815 (Lo-16bits)            |
| HR7817           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7818           |                                   |        |        | HR7817 (Lo-16bits)            |
| HR7819           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7820           |                                   |        |        | HR7819 (Lo-16bits)            |
| HR7821           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7822           |                                   |        |        | HR7821 (Lo-16bits)            |
| HR7823           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR7824           |                             |        |        | HR7823 (Lo-16bits)            |
| HR7825           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7826           |                             |        |        | HR7825 (Lo-16bits)            |
| HR7827           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7828           |                             |        |        | HR7827 (Lo-16bits)            |
| HR7829           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7830           |                             |        |        | HR7829 (Lo-16bits)            |
| HR7831           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7832           |                             |        |        | HR7831 (Lo-16bits)            |
| HR7833           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7834           |                             |        |        | HR7833 (Lo-16bits)            |
| HR7835           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7836           |                             |        |        | HR7835 (Lo-16bits)            |
| HR7837           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7838           |                             |        |        | HR7837 (Lo-16bits)            |
| HR7839           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7840           |                             |        |        | HR7839 (Lo-16bits)            |
| HR7841           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7842           |                             |        |        | HR7841 (Lo-16bits)            |
| HR7843           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7844           |                             |        |        | HR7843 (Lo-16bits)            |
| HR7845           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7846           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7847           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7848           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7849           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7850           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR7851           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7852           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7853           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7854           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7855           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7856           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7857           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7858           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7859           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7860           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7861           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7862           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7863           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7864           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7865           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7866           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7867           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7868           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7869           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7870           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7871           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7872           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7873           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7874           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7875           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7876           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7877           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7878           |                                                   |        |        | HR7877 (Lo-16bits)                    |
| HR7879           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7880           |                                                   |        |        | HR7879 (Lo-16bits)                    |
| HR7881           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7882           |                                                   |        |        | HR7881 (Lo-16bits)                    |
| HR7883           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7884           |                                                   |        |        | HR7883 (Lo-16bits)                    |
| HR7885           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7886           |                                                   |        |        | HR7885 (Lo-16bits)                    |
| HR7887           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7888           |                                                   |        |        | HR7887 (Lo-16bits)                    |
| HR7889           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7890           |                                                   |        |        | HR7889 (Lo-16bits)                    |
| HR7891           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7892           |                                                   |        |        | HR7891 (Lo-16bits)                    |
| HR7893           | OV2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR7894           | OV2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR7895           | OV2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR7896           | OV2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                           |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR7897           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7898           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7899           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7900           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7901           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7902           |                                   |        |        | HR7901 (Lo-16bits)            |
| HR7903           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7904           |                                   |        |        | HR7903 (Lo-16bits)            |
| HR7905           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7906           |                                   |        |        | HR7905 (Lo-16bits)            |
| HR7907           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7908           |                                   |        |        | HR7907 (Lo-16bits)            |
| HR7909           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7910           |                                   |        |        | HR7909 (Lo-16bits)            |
| HR7911           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7912           |                                   |        |        | HR7911 (Lo-16bits)            |
| HR7913           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7914           |                                   |        |        | HR7913 (Lo-16bits)            |
| HR7915           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7916           |                                   |        |        | HR7915 (Lo-16bits)            |
| HR7917           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7918           |                                   |        |        | HR7917 (Lo-16bits)            |
| HR7919           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7920           |                                   |        |        | HR7919 (Lo-16bits)            |
| HR7921           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7922           |                                   |        |        | HR7921 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR7923           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7924           |                         |        |        | HR7923 (Lo-16bits)            |
| HR7925           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7926           |                         |        |        | HR7925 (Lo-16bits)            |
| HR7927           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7928           |                         |        |        | HR7927 (Lo-16bits)            |
| HR7929           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7930           |                         |        |        | HR7929 (Lo-16bits)            |
| HR7931           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7932           |                         |        |        | HR7931 (Lo-16bits)            |
| HR7933           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7934           |                         |        |        | HR7933 (Lo-16bits)            |
| HR7935           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7936           |                         |        |        | HR7935 (Lo-16bits)            |
| HR7937           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7938           |                         |        |        | HR7937 (Lo-16bits)            |
| HR7939           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7940           |                         |        |        | HR7939 (Lo-16bits)            |
| HR7941           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7942           |                         |        |        | HR7941 (Lo-16bits)            |
| HR7943           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7944           |                         |        |        | HR7943 (Lo-16bits)            |
| HR7945           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7946           |                         |        |        | HR7945 (Lo-16bits)            |
| HR7947           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7948           |                         |        |        | HR7947 (Lo-16bits)            |
| HR7949           | OV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7950           |                         |        |        | HR7949 (Lo-16bits)            |
| HR7951           | OV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7952           |                         |        |        | HR7951 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR7953           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7954           |                                           |        |        | HR7953 (Lo-16bits)          |
| HR7955           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7956           |                                           |        |        | HR7955 (Lo-16bits)          |
| HR7957           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7958           |                                           |        |        | HR7957 (Lo-16bits)          |
| HR7959           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7960           |                                           |        |        | HR7959 (Lo-16bits)          |
| HR7961           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7962           |                                           |        |        | HR7961 (Lo-16bits)          |
| HR7963           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7964           |                                           |        |        | HR7963 (Lo-16bits)          |
| HR7965           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7966           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7967           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7968           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7969           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7970           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7971           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7972           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7973           | OV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7974           | OV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7975           | OV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7976           | OV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7977           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7978           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7979           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7980           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7981           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7982           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7983           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7984           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7985           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7986           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7987           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7988           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7989           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7990           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7991           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7992           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7993           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7994           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7995           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7996           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |



| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR7997           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7998           |                                   |        |        | HR7997 (Lo-16bits)           |
| HR7999           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8000           |                                   |        |        | HR7999 (Lo-16bits)           |
| HR8001           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8002           |                                   |        |        | HR8001 (Lo-16bits)           |
| HR8003           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8004           |                                   |        |        | HR8003 (Lo-16bits)           |
| HR8005           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8006           |                                   |        |        | HR8005 (Lo-16bits)           |
| HR8007           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8008           |                                   |        |        | HR8007 (Lo-16bits)           |
| HR8009           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8010           |                                   |        |        | HR8009 (Lo-16bits)           |
| HR8011           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8012           |                                   |        |        | HR8011 (Lo-16bits)           |
| HR8013           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8014           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8015           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8016           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8017           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8018           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8019           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8020           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8021           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8022           |                                   |        |        | HR8021 (Lo-16bits)           |
| HR8023           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8024           |                                   |        |        | HR8023 (Lo-16bits)           |
| HR8025           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8026           |                                   |        |        | HR8025 (Lo-16bits)            |
| HR8027           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8028           |                                   |        |        | HR8027 (Lo-16bits)            |
| HR8029           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8030           |                                   |        |        | HR8029 (Lo-16bits)            |
| HR8031           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8032           |                                   |        |        | HR8031 (Lo-16bits)            |
| HR8033           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8034           |                                   |        |        | HR8033 (Lo-16bits)            |
| HR8035           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8036           |                                   |        |        | HR8035 (Lo-16bits)            |
| HR8037           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8038           |                                   |        |        | HR8037 (Lo-16bits)            |
| HR8039           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8040           |                                   |        |        | HR8039 (Lo-16bits)            |
| HR8041           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8042           |                                   |        |        | HR8041 (Lo-16bits)            |
| HR8043           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8044           |                                   |        |        | HR8043 (Lo-16bits)            |
| HR8045           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8046           |                                   |        |        | HR8045 (Lo-16bits)            |
| HR8047           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8048           |                                   |        |        | HR8047 (Lo-16bits)            |
| HR8049           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8050           |                                   |        |        | HR8049 (Lo-16bits)            |
| HR8051           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8052           |                                   |        |        | HR8051 (Lo-16bits)            |
| HR8053           | OV3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter              | Access | Length |                               |
|------------------|------------------------|--------|--------|-------------------------------|
| HR8054           |                        |        |        | HR8053 (Lo-16bits)            |
| HR8055           | OV3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8056           |                        |        |        | HR8055 (Lo-16bits)            |
| HR8057           | OV3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8058           |                        |        |        | HR8057 (Lo-16bits)            |
| HR8059           | OV3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8060           |                        |        |        | HR8059 (Lo-16bits)            |
| HR8061           | OV3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8062           |                        |        |        | HR8061 (Lo-16bits)            |
| HR8063           | OV3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8064           |                        |        |        | HR8063 (Lo-16bits)            |
| HR8065           | OV3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8066           |                        |        |        | HR8065 (Lo-16bits)            |
| HR8067           | OV3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8068           |                        |        |        | HR8067 (Lo-16bits)            |
| HR8069           | OV3:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8070           |                        |        |        | HR8069 (Lo-16bits)            |
| HR8071           | OV3:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8072           |                        |        |        | HR8071 (Lo-16bits)            |
| HR8073           | OV3:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8074           |                        |        |        | HR8073 (Lo-16bits)            |
| HR8075           | OV3:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8076           |                        |        |        | HR8075 (Lo-16bits)            |
| HR8077           | OV3:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8078           |                        |        |        | HR8077 (Lo-16bits)            |
| HR8079           | OV3:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8080           |                        |        |        | HR8079 (Lo-16bits)            |
| HR8081           | OV3:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8082           |                        |        |        | HR8081 (Lo-16bits)            |
| HR8083           | OV3:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                         | Access | Length |                    |
|------------------|---------------------------------------------------|--------|--------|--------------------|
| HR8084           |                                                   |        |        | HR8083 (Lo-16bits) |
| HR8085           | OV3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8086           | OV3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8087           | OV3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8088           | OV3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8089           | OV3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8090           | OV3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8091           | OV3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8092           | OV3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8093           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8094           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8095           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8096           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8097           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8098           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8099           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8100           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8101           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR8102           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8103           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8104           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8105           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8106           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8107           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8108           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8109           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8110           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8111           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8112           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8113           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8114           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8115           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8116           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8117           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8118           |                                                   |        |        | HR8117 (Lo-16bits)                    |
| HR8119           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8120           |                                                   |        |        | HR8119 (Lo-16bits)                    |
| HR8121           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8122           |                                                   |        |        | HR8121 (Lo-16bits)                    |
| HR8123           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8124           |                                                   |        |        | HR8123 (Lo-16bits)                    |
| HR8125           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8126           |                                                   |        |        | HR8125 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8127           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8128           |                                   |        |        | HR8127 (Lo-16bits)           |
| HR8129           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8130           |                                   |        |        | HR8129 (Lo-16bits)           |
| HR8131           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8132           |                                   |        |        | HR8131 (Lo-16bits)           |
| HR8133           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8134           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8135           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8136           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8137           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8138           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8139           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8140           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8141           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8142           |                                   |        |        | HR8141 (Lo-16bits)           |
| HR8143           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8144           |                                   |        |        | HR8143 (Lo-16bits)           |
| HR8145           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8146           |                                   |        |        | HR8145 (Lo-16bits)           |
| HR8147           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8148           |                                   |        |        | HR8147 (Lo-16bits)           |
| HR8149           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8150           |                                   |        |        | HR8149 (Lo-16bits)           |
| HR8151           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8152           |                                   |        |        | HR8151 (Lo-16bits)           |
| HR8153           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8154           |                                   |        |        | HR8153 (Lo-16bits)            |
| HR8155           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8156           |                                   |        |        | HR8155 (Lo-16bits)            |
| HR8157           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8158           |                                   |        |        | HR8157 (Lo-16bits)            |
| HR8159           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8160           |                                   |        |        | HR8159 (Lo-16bits)            |
| HR8161           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8162           |                                   |        |        | HR8161 (Lo-16bits)            |
| HR8163           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8164           |                                   |        |        | HR8163 (Lo-16bits)            |
| HR8165           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8166           |                                   |        |        | HR8165 (Lo-16bits)            |
| HR8167           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8168           |                                   |        |        | HR8167 (Lo-16bits)            |
| HR8169           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8170           |                                   |        |        | HR8169 (Lo-16bits)            |
| HR8171           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8172           |                                   |        |        | HR8171 (Lo-16bits)            |
| HR8173           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8174           |                                   |        |        | HR8173 (Lo-16bits)            |
| HR8175           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8176           |                                   |        |        | HR8175 (Lo-16bits)            |
| HR8177           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8178           |                                   |        |        | HR8177 (Lo-16bits)            |
| HR8179           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8180           |                                   |        |        | HR8179 (Lo-16bits)            |
| HR8181           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8182           |                                   |        |        | HR8181 (Lo-16bits)            |
| HR8183           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8184           |                             |        |        | HR8183 (Lo-16bits)            |
| HR8185           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8186           |                             |        |        | HR8185 (Lo-16bits)            |
| HR8187           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8188           |                             |        |        | HR8187 (Lo-16bits)            |
| HR8189           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8190           |                             |        |        | HR8189 (Lo-16bits)            |
| HR8191           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8192           |                             |        |        | HR8191 (Lo-16bits)            |
| HR8193           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8194           |                             |        |        | HR8193 (Lo-16bits)            |
| HR8195           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8196           |                             |        |        | HR8195 (Lo-16bits)            |
| HR8197           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8198           |                             |        |        | HR8197 (Lo-16bits)            |
| HR8199           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8200           |                             |        |        | HR8199 (Lo-16bits)            |
| HR8201           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8202           |                             |        |        | HR8201 (Lo-16bits)            |
| HR8203           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8204           |                             |        |        | HR8203 (Lo-16bits)            |
| HR8205           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8206           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8207           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8208           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8209           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8210           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |



| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8211           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8212           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8213           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8214           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8215           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8216           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8217           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8218           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8219           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8220           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8221           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8222           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8223           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8224           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8225           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8226           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8227           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8228           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8229           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8230           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8231           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8232           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8233           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8234           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8235           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8236           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8237           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8238           |                                                   |        |        | HR8237 (Lo-16bits)                    |
| HR8239           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8240           |                                                   |        |        | HR8239 (Lo-16bits)                    |
| HR8241           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8242           |                                                   |        |        | HR8241 (Lo-16bits)                    |
| HR8243           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8244           |                                                   |        |        | HR8243 (Lo-16bits)                    |
| HR8245           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8246           |                                                   |        |        | HR8245 (Lo-16bits)                    |
| HR8247           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8248           |                                                   |        |        | HR8247 (Lo-16bits)                    |
| HR8249           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8250           |                                                   |        |        | HR8249 (Lo-16bits)                    |
| HR8251           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8252           |                                                   |        |        | HR8251 (Lo-16bits)                    |
| HR8253           | UV1:Block setting Uset<                           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8254           |                                                   |        |        | HR8253 (Lo-16bits)                    |
| HR8255           | UV1:Block setting Uset<                           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8256           |                                                   |        |        | HR8255 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8257           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8258           |                                   |        |        | HR8257 (Lo-16bits)           |
| HR8259           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8260           |                                   |        |        | HR8259 (Lo-16bits)           |
| HR8261           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8262           |                                   |        |        | HR8261 (Lo-16bits)           |
| HR8263           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8264           |                                   |        |        | HR8263 (Lo-16bits)           |
| HR8265           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8266           |                                   |        |        | HR8265 (Lo-16bits)           |
| HR8267           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8268           |                                   |        |        | HR8267 (Lo-16bits)           |
| HR8269           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8270           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8271           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8272           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8273           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8274           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8275           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8276           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8277           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8278           |                                   |        |        | HR8277 (Lo-16bits)           |
| HR8279           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8280           |                                   |        |        | HR8279 (Lo-16bits)           |
| HR8281           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8282           |                                   |        |        | HR8281 (Lo-16bits)           |
| HR8283           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8284           |                                   |        |        | HR8283 (Lo-16bits)           |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8285           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8286           |                                   |        |        | HR8285 (Lo-16bits)            |
| HR8287           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8288           |                                   |        |        | HR8287 (Lo-16bits)            |
| HR8289           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8290           |                                   |        |        | HR8289 (Lo-16bits)            |
| HR8291           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8292           |                                   |        |        | HR8291 (Lo-16bits)            |
| HR8293           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8294           |                                   |        |        | HR8293 (Lo-16bits)            |
| HR8295           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8296           |                                   |        |        | HR8295 (Lo-16bits)            |
| HR8297           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8298           |                                   |        |        | HR8297 (Lo-16bits)            |
| HR8299           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8300           |                                   |        |        | HR8299 (Lo-16bits)            |
| HR8301           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8302           |                                   |        |        | HR8301 (Lo-16bits)            |
| HR8303           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8304           |                                   |        |        | HR8303 (Lo-16bits)            |
| HR8305           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8306           |                                   |        |        | HR8305 (Lo-16bits)            |
| HR8307           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8308           |                                   |        |        | HR8307 (Lo-16bits)            |
| HR8309           | UV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8310           |                                   |        |        | HR8309 (Lo-16bits)            |
| HR8311           | UV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8312           |                                   |        |        | HR8311 (Lo-16bits)            |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8313           | UV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8314           |                             |        |        | HR8313 (Lo-16bits)            |
| HR8315           | UV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8316           |                             |        |        | HR8315 (Lo-16bits)            |
| HR8317           | UV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8318           |                             |        |        | HR8317 (Lo-16bits)            |
| HR8319           | UV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8320           |                             |        |        | HR8319 (Lo-16bits)            |
| HR8321           | UV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8322           |                             |        |        | HR8321 (Lo-16bits)            |
| HR8323           | UV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8324           |                             |        |        | HR8323 (Lo-16bits)            |
| HR8325           | UV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8326           |                             |        |        | HR8325 (Lo-16bits)            |
| HR8327           | UV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8328           |                             |        |        | HR8327 (Lo-16bits)            |
| HR8329           | UV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8330           |                             |        |        | HR8329 (Lo-16bits)            |
| HR8331           | UV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8332           |                             |        |        | HR8331 (Lo-16bits)            |
| HR8333           | UV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8334           |                             |        |        | HR8333 (Lo-16bits)            |
| HR8335           | UV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8336           |                             |        |        | HR8335 (Lo-16bits)            |
| HR8337           | UV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8338           |                             |        |        | HR8337 (Lo-16bits)            |
| HR8339           | UV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8340           |                             |        |        | HR8339 (Lo-16bits)            |
| HR8341           | UV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8342           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8343           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8344           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8345           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8346           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8347           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8348           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8349           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8350           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8351           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8352           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8353           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8354           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8355           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8356           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8357           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8358           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8359           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8360           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8361           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8362           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8363           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8364           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8365           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8366           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8367           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8368           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8369           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8370           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8371           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8372           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8373           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8374           |                                                   |        |        | HR8373 (Lo-16bits)                    |
| HR8375           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8376           |                                                   |        |        | HR8375 (Lo-16bits)                    |
| HR8377           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8378           |                                                   |        |        | HR8377 (Lo-16bits)                    |
| HR8379           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8380           |                                                   |        |        | HR8379 (Lo-16bits)                    |
| HR8381           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8382           |                                                   |        |        | HR8381 (Lo-16bits)                    |
| HR8383           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8384           |                                                   |        |        | HR8383 (Lo-16bits)                    |
| HR8385           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8386           |                                                   |        |        | HR8385 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8387           | UV2:Pick-up setting Uset<<        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)  |
| HR8388           |                                   |        |        | HR8387 (Lo-16bits)           |
| HR8389           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8390           |                                   |        |        | HR8389 (Lo-16bits)           |
| HR8391           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8392           |                                   |        |        | HR8391 (Lo-16bits)           |
| HR8393           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8394           |                                   |        |        | HR8393 (Lo-16bits)           |
| HR8395           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8396           |                                   |        |        | HR8395 (Lo-16bits)           |
| HR8397           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8398           |                                   |        |        | HR8397 (Lo-16bits)           |
| HR8399           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8400           |                                   |        |        | HR8399 (Lo-16bits)           |
| HR8401           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8402           |                                   |        |        | HR8401 (Lo-16bits)           |
| HR8403           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8404           |                                   |        |        | HR8403 (Lo-16bits)           |
| HR8405           | UV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8406           | UV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8407           | UV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8408           | UV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8409           | UV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8410           | UV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8411           | UV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8412           | UV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8413           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8414           |                                   |        |        | HR8413 (Lo-16bits)           |
| HR8415           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |



| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8416           |                                   |        |        | HR8415 (Lo-16bits)            |
| HR8417           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8418           |                                   |        |        | HR8417 (Lo-16bits)            |
| HR8419           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8420           |                                   |        |        | HR8419 (Lo-16bits)            |
| HR8421           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8422           |                                   |        |        | HR8421 (Lo-16bits)            |
| HR8423           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8424           |                                   |        |        | HR8423 (Lo-16bits)            |
| HR8425           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8426           |                                   |        |        | HR8425 (Lo-16bits)            |
| HR8427           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8428           |                                   |        |        | HR8427 (Lo-16bits)            |
| HR8429           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8430           |                                   |        |        | HR8429 (Lo-16bits)            |
| HR8431           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8432           |                                   |        |        | HR8431 (Lo-16bits)            |
| HR8433           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8434           |                                   |        |        | HR8433 (Lo-16bits)            |
| HR8435           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8436           |                                   |        |        | HR8435 (Lo-16bits)            |
| HR8437           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8438           |                                   |        |        | HR8437 (Lo-16bits)            |
| HR8439           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8440           |                                   |        |        | HR8439 (Lo-16bits)            |
| HR8441           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8442           |                                   |        |        | HR8441 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8443           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8444           |                         |        |        | HR8443 (Lo-16bits)            |
| HR8445           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8446           |                         |        |        | HR8445 (Lo-16bits)            |
| HR8447           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8448           |                         |        |        | HR8447 (Lo-16bits)            |
| HR8449           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8450           |                         |        |        | HR8449 (Lo-16bits)            |
| HR8451           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8452           |                         |        |        | HR8451 (Lo-16bits)            |
| HR8453           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8454           |                         |        |        | HR8453 (Lo-16bits)            |
| HR8455           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8456           |                         |        |        | HR8455 (Lo-16bits)            |
| HR8457           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8458           |                         |        |        | HR8457 (Lo-16bits)            |
| HR8459           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8460           |                         |        |        | HR8459 (Lo-16bits)            |
| HR8461           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8462           |                         |        |        | HR8461 (Lo-16bits)            |
| HR8463           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8464           |                         |        |        | HR8463 (Lo-16bits)            |
| HR8465           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8466           |                         |        |        | HR8465 (Lo-16bits)            |
| HR8467           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8468           |                         |        |        | HR8467 (Lo-16bits)            |
| HR8469           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8470           |                         |        |        | HR8469 (Lo-16bits)            |
| HR8471           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8472           |                         |        |        | HR8471 (Lo-16bits)            |

| Holding Register | Parameter                                         | Access | Length |                             |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR8473           | UV2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8474           |                                                   |        |        | HR8473 (Lo-16bits)          |
| HR8475           | UV2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8476           |                                                   |        |        | HR8475 (Lo-16bits)          |
| HR8477           | UV2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                  |
| HR8478           | UV2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                  |
| HR8479           | UV2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                  |
| HR8480           | UV2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                  |
| HR8481           | UV2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                  |
| HR8482           | UV2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                  |
| HR8483           | UV2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                  |
| HR8484           | UV2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                  |
| HR8485           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8486           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8487           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8488           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8489           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8490           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8491           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8492           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8493           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8494           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8495           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8496           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8497           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8498           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8499           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8500           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8501           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8502           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8503           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8504           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8505           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8506           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8507           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8508           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8509           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8510           |                                                   |        |        | HR8509 (Lo-16bits)                    |
| HR8511           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8512           |                                                   |        |        | HR8511 (Lo-16bits)                    |
| HR8513           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8514           |                                                   |        |        | HR8513 (Lo-16bits)                    |

| Holding Register | Parameter                      | Access | Length |                             |
|------------------|--------------------------------|--------|--------|-----------------------------|
| HR8515           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8516           |                                |        |        | HR8515 (Lo-16bits)          |
| HR8517           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8518           |                                |        |        | HR8517 (Lo-16bits)          |
| HR8519           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8520           |                                |        |        | HR8519 (Lo-16bits)          |
| HR8521           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8522           |                                |        |        | HR8521 (Lo-16bits)          |
| HR8523           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8524           |                                |        |        | HR8523 (Lo-16bits)          |
| HR8525           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8526           |                                |        |        | HR8525 (Lo-16bits)          |
| HR8527           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8528           |                                |        |        | HR8527 (Lo-16bits)          |
| HR8529           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8530           |                                |        |        | HR8529 (Lo-16bits)          |
| HR8531           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8532           |                                |        |        | HR8531 (Lo-16bits)          |
| HR8533           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8534           |                                |        |        | HR8533 (Lo-16bits)          |
| HR8535           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8536           |                                |        |        | HR8535 (Lo-16bits)          |
| HR8537           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8538           |                                |        |        | HR8537 (Lo-16bits)          |
| HR8539           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8540           |                                |        |        | HR8539 (Lo-16bits)          |
| HR8541           | UV3:Delay type                 | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8542           | UV3:Delay type                 | R(W)   | 1      | 0=DT;1=IDMT                 |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8543           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8544           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8545           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8546           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8547           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8548           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8549           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8550           |                                   |        |        | HR8549 (Lo-16bits)            |
| HR8551           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8552           |                                   |        |        | HR8551 (Lo-16bits)            |
| HR8553           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8554           |                                   |        |        | HR8553 (Lo-16bits)            |
| HR8555           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8556           |                                   |        |        | HR8555 (Lo-16bits)            |
| HR8557           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8558           |                                   |        |        | HR8557 (Lo-16bits)            |
| HR8559           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8560           |                                   |        |        | HR8559 (Lo-16bits)            |
| HR8561           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8562           |                                   |        |        | HR8561 (Lo-16bits)            |
| HR8563           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8564           |                                   |        |        | HR8563 (Lo-16bits)            |
| HR8565           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8566           |                                   |        |        | HR8565 (Lo-16bits)            |
| HR8567           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8568           |                                   |        |        | HR8567 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8569           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8570           |                         |        |        | HR8569 (Lo-16bits)            |
| HR8571           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8572           |                         |        |        | HR8571 (Lo-16bits)            |
| HR8573           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8574           |                         |        |        | HR8573 (Lo-16bits)            |
| HR8575           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8576           |                         |        |        | HR8575 (Lo-16bits)            |
| HR8577           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8578           |                         |        |        | HR8577 (Lo-16bits)            |
| HR8579           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8580           |                         |        |        | HR8579 (Lo-16bits)            |
| HR8581           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8582           |                         |        |        | HR8581 (Lo-16bits)            |
| HR8583           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8584           |                         |        |        | HR8583 (Lo-16bits)            |
| HR8585           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8586           |                         |        |        | HR8585 (Lo-16bits)            |
| HR8587           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8588           |                         |        |        | HR8587 (Lo-16bits)            |
| HR8589           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8590           |                         |        |        | HR8589 (Lo-16bits)            |
| HR8591           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8592           |                         |        |        | HR8591 (Lo-16bits)            |
| HR8593           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8594           |                         |        |        | HR8593 (Lo-16bits)            |
| HR8595           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8596           |                         |        |        | HR8595 (Lo-16bits)            |
| HR8597           | UV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8598           |                         |        |        | HR8597 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8599           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8600           |                                           |        |        | HR8599 (Lo-16bits)          |
| HR8601           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8602           |                                           |        |        | HR8601 (Lo-16bits)          |
| HR8603           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8604           |                                           |        |        | HR8603 (Lo-16bits)          |
| HR8605           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8606           |                                           |        |        | HR8605 (Lo-16bits)          |
| HR8607           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8608           |                                           |        |        | HR8607 (Lo-16bits)          |
| HR8609           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8610           |                                           |        |        | HR8609 (Lo-16bits)          |
| HR8611           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8612           |                                           |        |        | HR8611 (Lo-16bits)          |
| HR8613           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8614           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8615           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8616           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8617           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8618           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8619           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8620           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8621           | UV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8622           | UV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8623           | UV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8624           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8625           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8626           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8627           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8628           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8629           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8630           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8631           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8632           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8633           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8634           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8635           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8636           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8637           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8638           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8639           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8640           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8641           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8642           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8643           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |

| Holding Register | Parameter                       | Access | Length |                                       |
|------------------|---------------------------------|--------|--------|---------------------------------------|
| HR8644           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8645           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8646           |                                 |        |        | HR8645 (Lo-16bits)                    |
| HR8647           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8648           |                                 |        |        | HR8647 (Lo-16bits)                    |
| HR8649           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8650           |                                 |        |        | HR8649 (Lo-16bits)                    |
| HR8651           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8652           |                                 |        |        | HR8651 (Lo-16bits)                    |
| HR8653           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8654           |                                 |        |        | HR8653 (Lo-16bits)                    |
| HR8655           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8656           |                                 |        |        | HR8655 (Lo-16bits)                    |
| HR8657           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8658           |                                 |        |        | HR8657 (Lo-16bits)                    |
| HR8659           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8660           |                                 |        |        | HR8659 (Lo-16bits)                    |
| HR8661           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8662           |                                 |        |        | HR8661 (Lo-16bits)                    |
| HR8663           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8664           |                                 |        |        | HR8663 (Lo-16bits)                    |
| HR8665           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8666           |                                 |        |        | HR8665 (Lo-16bits)                    |
| HR8667           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |

| Holding Register | Parameter                            | Access | Length |                              |
|------------------|--------------------------------------|--------|--------|------------------------------|
| HR8668           |                                      |        |        | HR8667 (Lo-16bits)           |
| HR8669           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8670           |                                      |        |        | HR8669 (Lo-16bits)           |
| HR8671           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8672           |                                      |        |        | HR8671 (Lo-16bits)           |
| HR8673           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8674           |                                      |        |        | HR8673 (Lo-16bits)           |
| HR8675           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8676           |                                      |        |        | HR8675 (Lo-16bits)           |
| HR8677           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8678           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8679           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8680           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8681           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8682           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8683           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8684           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8685           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8686           |                                      |        |        | HR8685 (Lo-16bits)           |
| HR8687           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8688           |                                      |        |        | HR8687 (Lo-16bits)           |
| HR8689           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8690           |                                      |        |        | HR8689 (Lo-16bits)           |
| HR8691           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8692           |                                      |        |        | HR8691 (Lo-16bits)           |
| HR8693           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8694           |                                   |        |        | HR8693 (Lo-16bits)            |
| HR8695           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8696           |                                   |        |        | HR8695 (Lo-16bits)            |
| HR8697           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8698           |                                   |        |        | HR8697 (Lo-16bits)            |
| HR8699           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8700           |                                   |        |        | HR8699 (Lo-16bits)            |
| HR8701           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8702           |                                   |        |        | HR8701 (Lo-16bits)            |
| HR8703           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8704           |                                   |        |        | HR8703 (Lo-16bits)            |
| HR8705           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8706           |                                   |        |        | HR8705 (Lo-16bits)            |
| HR8707           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8708           |                                   |        |        | HR8707 (Lo-16bits)            |
| HR8709           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8710           |                                   |        |        | HR8709 (Lo-16bits)            |
| HR8711           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8712           |                                   |        |        | HR8711 (Lo-16bits)            |
| HR8713           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8714           |                                   |        |        | HR8713 (Lo-16bits)            |
| HR8715           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8716           |                                   |        |        | HR8715 (Lo-16bits)            |
| HR8717           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8718           |                                   |        |        | HR8717 (Lo-16bits)            |
| HR8719           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8720           |                                   |        |        | HR8719 (Lo-16bits)            |
| HR8721           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8722           |                                   |        |        | HR8721 (Lo-16bits)            |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8723           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8724           |                             |        |        | HR8723 (Lo-16bits)            |
| HR8725           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8726           |                             |        |        | HR8725 (Lo-16bits)            |
| HR8727           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8728           |                             |        |        | HR8727 (Lo-16bits)            |
| HR8729           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8730           |                             |        |        | HR8729 (Lo-16bits)            |
| HR8731           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8732           |                             |        |        | HR8731 (Lo-16bits)            |
| HR8733           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8734           |                             |        |        | HR8733 (Lo-16bits)            |
| HR8735           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8736           |                             |        |        | HR8735 (Lo-16bits)            |
| HR8737           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8738           |                             |        |        | HR8737 (Lo-16bits)            |
| HR8739           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8740           |                             |        |        | HR8739 (Lo-16bits)            |
| HR8741           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8742           |                             |        |        | HR8741 (Lo-16bits)            |
| HR8743           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8744           |                             |        |        | HR8743 (Lo-16bits)            |
| HR8745           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8746           |                             |        |        | HR8745 (Lo-16bits)            |
| HR8747           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8748           |                             |        |        | HR8747 (Lo-16bits)            |
| HR8749           | UV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8750           | UV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8751           | UV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8752           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8753           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8754           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8755           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8756           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8757           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8758           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8759           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8760           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8761           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8762           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8763           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8764           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8765           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8766           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8767           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8768           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8769           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                             |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR8770           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8771           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8772           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8773           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8774           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8775           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8776           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8777           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8778           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8779           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8780           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8781           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8782           |                                                   |        |        | HR8781 (Lo-16bits)          |
| HR8783           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8784           |                                                   |        |        | HR8783 (Lo-16bits)          |
| HR8785           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8786           |                                                   |        |        | HR8785 (Lo-16bits)          |
| HR8787           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8788           |                                                   |        |        | HR8787 (Lo-16bits)          |
| HR8789           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8790           |                                                   |        |        | HR8789 (Lo-16bits)          |
| HR8791           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8792           |                                                   |        |        | HR8791 (Lo-16bits)          |
| HR8793           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8794           |                                                   |        |        | HR8793 (Lo-16bits)          |
| HR8795           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8796           |                                                   |        |        | HR8795 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR8797           | VUB1:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8798           |                                    |        |        | HR8797 (Lo-16bits)           |
| HR8799           | VUB1:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8800           |                                    |        |        | HR8799 (Lo-16bits)           |
| HR8801           | VUB1:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8802           |                                    |        |        | HR8801 (Lo-16bits)           |
| HR8803           | VUB1:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8804           |                                    |        |        | HR8803 (Lo-16bits)           |
| HR8805           | VUB1:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8806           |                                    |        |        | HR8805 (Lo-16bits)           |
| HR8807           | VUB1:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8808           |                                    |        |        | HR8807 (Lo-16bits)           |
| HR8809           | VUB1:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8810           |                                    |        |        | HR8809 (Lo-16bits)           |
| HR8811           | VUB1:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8812           |                                    |        |        | HR8811 (Lo-16bits)           |
| HR8813           | VUB1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8814           | VUB1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8815           | VUB1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8816           | VUB1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8817           | VUB1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8818           | VUB1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8819           | VUB1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8820           | VUB1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8821           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8822           |                                    |        |        | HR8821 (Lo-16bits)           |



| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8823           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8824           |                                    |        |        | HR8823 (Lo-16bits)            |
| HR8825           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8826           |                                    |        |        | HR8825 (Lo-16bits)            |
| HR8827           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8828           |                                    |        |        | HR8827 (Lo-16bits)            |
| HR8829           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8830           |                                    |        |        | HR8829 (Lo-16bits)            |
| HR8831           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8832           |                                    |        |        | HR8831 (Lo-16bits)            |
| HR8833           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8834           |                                    |        |        | HR8833 (Lo-16bits)            |
| HR8835           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8836           |                                    |        |        | HR8835 (Lo-16bits)            |
| HR8837           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8838           |                                    |        |        | HR8837 (Lo-16bits)            |
| HR8839           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8840           |                                    |        |        | HR8839 (Lo-16bits)            |
| HR8841           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8842           |                                    |        |        | HR8841 (Lo-16bits)            |
| HR8843           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8844           |                                    |        |        | HR8843 (Lo-16bits)            |
| HR8845           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8846           |                                    |        |        | HR8845 (Lo-16bits)            |
| HR8847           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8848           |                                    |        |        | HR8847 (Lo-16bits)            |
| HR8849           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8850           |                          |        |        | HR8849 (Lo-16bits)            |
| HR8851           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8852           |                          |        |        | HR8851 (Lo-16bits)            |
| HR8853           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8854           |                          |        |        | HR8853 (Lo-16bits)            |
| HR8855           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8856           |                          |        |        | HR8855 (Lo-16bits)            |
| HR8857           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8858           |                          |        |        | HR8857 (Lo-16bits)            |
| HR8859           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8860           |                          |        |        | HR8859 (Lo-16bits)            |
| HR8861           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8862           |                          |        |        | HR8861 (Lo-16bits)            |
| HR8863           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8864           |                          |        |        | HR8863 (Lo-16bits)            |
| HR8865           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8866           |                          |        |        | HR8865 (Lo-16bits)            |
| HR8867           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8868           |                          |        |        | HR8867 (Lo-16bits)            |
| HR8869           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8870           |                          |        |        | HR8869 (Lo-16bits)            |
| HR8871           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8872           |                          |        |        | HR8871 (Lo-16bits)            |
| HR8873           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8874           |                          |        |        | HR8873 (Lo-16bits)            |
| HR8875           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8876           |                          |        |        | HR8875 (Lo-16bits)            |
| HR8877           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8878           |                          |        |        | HR8877 (Lo-16bits)            |
| HR8879           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR8880           |                                            |        |        | HR8879 (Lo-16bits)          |
| HR8881           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8882           |                                            |        |        | HR8881 (Lo-16bits)          |
| HR8883           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8884           |                                            |        |        | HR8883 (Lo-16bits)          |
| HR8885           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8886           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8887           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8888           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8889           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8890           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8891           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8892           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8893           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8894           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8895           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8896           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8897           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8898           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8899           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8900           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR8901           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8902           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8903           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8904           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8905           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8906           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8907           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8908           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8909           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8910           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8911           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8912           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8913           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8914           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8915           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8916           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8917           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8918           |                                                    |        |        | HR8917 (Lo-16bits)          |
| HR8919           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8920           |                                                    |        |        | HR8919 (Lo-16bits)          |
| HR8921           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8922           |                                                    |        |        | HR8921 (Lo-16bits)          |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8923           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8924           |                               |        |        | HR8923 (Lo-16bits)          |
| HR8925           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8926           |                               |        |        | HR8925 (Lo-16bits)          |
| HR8927           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8928           |                               |        |        | HR8927 (Lo-16bits)          |
| HR8929           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8930           |                               |        |        | HR8929 (Lo-16bits)          |
| HR8931           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8932           |                               |        |        | HR8931 (Lo-16bits)          |
| HR8933           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8934           |                               |        |        | HR8933 (Lo-16bits)          |
| HR8935           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8936           |                               |        |        | HR8935 (Lo-16bits)          |
| HR8937           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8938           |                               |        |        | HR8937 (Lo-16bits)          |
| HR8939           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8940           |                               |        |        | HR8939 (Lo-16bits)          |
| HR8941           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8942           |                               |        |        | HR8941 (Lo-16bits)          |
| HR8943           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8944           |                               |        |        | HR8943 (Lo-16bits)          |
| HR8945           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8946           |                               |        |        | HR8945 (Lo-16bits)          |
| HR8947           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8948           |                               |        |        | HR8947 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8949           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8950           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8951           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8952           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8953           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8954           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8955           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8956           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8957           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8958           |                                    |        |        | HR8957 (Lo-16bits)            |
| HR8959           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8960           |                                    |        |        | HR8959 (Lo-16bits)            |
| HR8961           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8962           |                                    |        |        | HR8961 (Lo-16bits)            |
| HR8963           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8964           |                                    |        |        | HR8963 (Lo-16bits)            |
| HR8965           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8966           |                                    |        |        | HR8965 (Lo-16bits)            |
| HR8967           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8968           |                                    |        |        | HR8967 (Lo-16bits)            |
| HR8969           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8970           |                                    |        |        | HR8969 (Lo-16bits)            |
| HR8971           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8972           |                                    |        |        | HR8971 (Lo-16bits)            |
| HR8973           | VUB2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8974           |                                    |        |        | HR8973 (Lo-16bits)            |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8975           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8976           |                          |        |        | HR8975 (Lo-16bits)            |
| HR8977           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8978           |                          |        |        | HR8977 (Lo-16bits)            |
| HR8979           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8980           |                          |        |        | HR8979 (Lo-16bits)            |
| HR8981           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8982           |                          |        |        | HR8981 (Lo-16bits)            |
| HR8983           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8984           |                          |        |        | HR8983 (Lo-16bits)            |
| HR8985           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8986           |                          |        |        | HR8985 (Lo-16bits)            |
| HR8987           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8988           |                          |        |        | HR8987 (Lo-16bits)            |
| HR8989           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8990           |                          |        |        | HR8989 (Lo-16bits)            |
| HR8991           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8992           |                          |        |        | HR8991 (Lo-16bits)            |
| HR8993           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8994           |                          |        |        | HR8993 (Lo-16bits)            |
| HR8995           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8996           |                          |        |        | HR8995 (Lo-16bits)            |
| HR8997           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8998           |                          |        |        | HR8997 (Lo-16bits)            |
| HR8999           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9000           |                          |        |        | HR8999 (Lo-16bits)            |
| HR9001           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9002           |                          |        |        | HR9001 (Lo-16bits)            |
| HR9003           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9004           |                          |        |        | HR9003 (Lo-16bits)            |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR9005           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9006           |                                            |        |        | HR9005 (Lo-16bits)          |
| HR9007           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9008           |                                            |        |        | HR9007 (Lo-16bits)          |
| HR9009           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9010           |                                            |        |        | HR9009 (Lo-16bits)          |
| HR9011           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9012           |                                            |        |        | HR9011 (Lo-16bits)          |
| HR9013           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9014           |                                            |        |        | HR9013 (Lo-16bits)          |
| HR9015           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9016           |                                            |        |        | HR9015 (Lo-16bits)          |
| HR9017           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9018           |                                            |        |        | HR9017 (Lo-16bits)          |
| HR9019           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9020           |                                            |        |        | HR9019 (Lo-16bits)          |
| HR9021           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9022           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9023           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9024           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9025           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9026           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9027           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9028           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9029           | VUB2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                    |
|------------------|----------------------------------------------------|--------|--------|--------------------|
| HR9030           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9031           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9032           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9033           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9034           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9035           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9036           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9037           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9038           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9039           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9040           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9041           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9042           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9043           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9044           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9045           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9046           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9047           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9048           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR9049           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9050           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9051           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9052           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9053           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9054           |                               |        |        | HR9053 (Lo-16bits)          |
| HR9055           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9056           |                               |        |        | HR9055 (Lo-16bits)          |
| HR9057           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9058           |                               |        |        | HR9057 (Lo-16bits)          |
| HR9059           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9060           |                               |        |        | HR9059 (Lo-16bits)          |
| HR9061           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9062           |                               |        |        | HR9061 (Lo-16bits)          |
| HR9063           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9064           |                               |        |        | HR9063 (Lo-16bits)          |
| HR9065           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9066           |                               |        |        | HR9065 (Lo-16bits)          |
| HR9067           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9068           |                               |        |        | HR9067 (Lo-16bits)          |
| HR9069           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9070           |                               |        |        | HR9069 (Lo-16bits)          |
| HR9071           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9072           |                               |        |        | HR9071 (Lo-16bits)          |
| HR9073           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9074           |                               |        |        | HR9073 (Lo-16bits)          |
| HR9075           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9076           |                               |        |        | HR9075 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9077           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9078           |                                    |        |        | HR9077 (Lo-16bits)           |
| HR9079           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9080           |                                    |        |        | HR9079 (Lo-16bits)           |
| HR9081           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9082           |                                    |        |        | HR9081 (Lo-16bits)           |
| HR9083           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9084           |                                    |        |        | HR9083 (Lo-16bits)           |
| HR9085           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9086           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9087           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9088           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9089           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9090           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9091           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9092           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9093           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9094           |                                    |        |        | HR9093 (Lo-16bits)           |
| HR9095           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9096           |                                    |        |        | HR9095 (Lo-16bits)           |
| HR9097           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9098           |                                    |        |        | HR9097 (Lo-16bits)           |
| HR9099           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9100           |                                    |        |        | HR9099 (Lo-16bits)           |
| HR9101           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9102           |                                    |        |        | HR9101 (Lo-16bits)           |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9103           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9104           |                                    |        |        | HR9103 (Lo-16bits)            |
| HR9105           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9106           |                                    |        |        | HR9105 (Lo-16bits)            |
| HR9107           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9108           |                                    |        |        | HR9107 (Lo-16bits)            |
| HR9109           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9110           |                                    |        |        | HR9109 (Lo-16bits)            |
| HR9111           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9112           |                                    |        |        | HR9111 (Lo-16bits)            |
| HR9113           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9114           |                                    |        |        | HR9113 (Lo-16bits)            |
| HR9115           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9116           |                                    |        |        | HR9115 (Lo-16bits)            |
| HR9117           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9118           |                                    |        |        | HR9117 (Lo-16bits)            |
| HR9119           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9120           |                                    |        |        | HR9119 (Lo-16bits)            |
| HR9121           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9122           |                                    |        |        | HR9121 (Lo-16bits)            |
| HR9123           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9124           |                                    |        |        | HR9123 (Lo-16bits)            |
| HR9125           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9126           |                                    |        |        | HR9125 (Lo-16bits)            |
| HR9127           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9128           |                                    |        |        | HR9127 (Lo-16bits)            |
| HR9129           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9130           |                                    |        |        | HR9129 (Lo-16bits)            |
| HR9131           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                               |
|------------------|------------------------------|--------|--------|-------------------------------|
| HR9132           |                              |        |        | HR9131 (Lo-16bits)            |
| HR9133           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9134           |                              |        |        | HR9133 (Lo-16bits)            |
| HR9135           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9136           |                              |        |        | HR9135 (Lo-16bits)            |
| HR9137           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9138           |                              |        |        | HR9137 (Lo-16bits)            |
| HR9139           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9140           |                              |        |        | HR9139 (Lo-16bits)            |
| HR9141           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9142           |                              |        |        | HR9141 (Lo-16bits)            |
| HR9143           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9144           |                              |        |        | HR9143 (Lo-16bits)            |
| HR9145           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9146           |                              |        |        | HR9145 (Lo-16bits)            |
| HR9147           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9148           |                              |        |        | HR9147 (Lo-16bits)            |
| HR9149           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9150           |                              |        |        | HR9149 (Lo-16bits)            |
| HR9151           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9152           |                              |        |        | HR9151 (Lo-16bits)            |
| HR9153           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9154           |                              |        |        | HR9153 (Lo-16bits)            |
| HR9155           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9156           |                              |        |        | HR9155 (Lo-16bits)            |
| HR9157           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR9158           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR9159           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                          | Access | Length |            |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9160           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9161           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9162           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9163           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9164           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9165           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9166           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9167           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9168           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9169           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9170           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9171           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9172           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9173           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9174           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9175           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9176           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9177           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR9178           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9179           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9180           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9181           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9182           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9183           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9184           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9185           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9186           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9187           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9188           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9189           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9190           |                                                    |        |        | HR9189 (Lo-16bits)          |
| HR9191           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9192           |                                                    |        |        | HR9191 (Lo-16bits)          |
| HR9193           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9194           |                                                    |        |        | HR9193 (Lo-16bits)          |
| HR9195           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9196           |                                                    |        |        | HR9195 (Lo-16bits)          |
| HR9197           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9198           |                                                    |        |        | HR9197 (Lo-16bits)          |
| HR9199           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9200           |                                                    |        |        | HR9199 (Lo-16bits)          |
| HR9201           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9202           |                                                    |        |        | HR9201 (Lo-16bits)          |
| HR9203           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9204           |                                                    |        |        | HR9203 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9205           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9206           |                                    |        |        | HR9205 (Lo-16bits)           |
| HR9207           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9208           |                                    |        |        | HR9207 (Lo-16bits)           |
| HR9209           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9210           |                                    |        |        | HR9209 (Lo-16bits)           |
| HR9211           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9212           |                                    |        |        | HR9211 (Lo-16bits)           |
| HR9213           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9214           |                                    |        |        | HR9213 (Lo-16bits)           |
| HR9215           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9216           |                                    |        |        | HR9215 (Lo-16bits)           |
| HR9217           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9218           |                                    |        |        | HR9217 (Lo-16bits)           |
| HR9219           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9220           |                                    |        |        | HR9219 (Lo-16bits)           |
| HR9221           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9222           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9223           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9224           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9225           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9226           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9227           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9228           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9229           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9230           |                                    |        |        | HR9229 (Lo-16bits)           |



| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9231           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9232           |                                    |        |        | HR9231 (Lo-16bits)            |
| HR9233           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9234           |                                    |        |        | HR9233 (Lo-16bits)            |
| HR9235           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9236           |                                    |        |        | HR9235 (Lo-16bits)            |
| HR9237           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9238           |                                    |        |        | HR9237 (Lo-16bits)            |
| HR9239           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9240           |                                    |        |        | HR9239 (Lo-16bits)            |
| HR9241           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9242           |                                    |        |        | HR9241 (Lo-16bits)            |
| HR9243           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9244           |                                    |        |        | HR9243 (Lo-16bits)            |
| HR9245           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9246           |                                    |        |        | HR9245 (Lo-16bits)            |
| HR9247           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9248           |                                    |        |        | HR9247 (Lo-16bits)            |
| HR9249           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9250           |                                    |        |        | HR9249 (Lo-16bits)            |
| HR9251           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9252           |                                    |        |        | HR9251 (Lo-16bits)            |
| HR9253           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9254           |                                    |        |        | HR9253 (Lo-16bits)            |
| HR9255           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9256           |                                    |        |        | HR9255 (Lo-16bits)            |
| HR9257           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR9258           |                          |        |        | HR9257 (Lo-16bits)            |
| HR9259           | VUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9260           |                          |        |        | HR9259 (Lo-16bits)            |
| HR9261           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9262           |                          |        |        | HR9261 (Lo-16bits)            |
| HR9263           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9264           |                          |        |        | HR9263 (Lo-16bits)            |
| HR9265           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9266           |                          |        |        | HR9265 (Lo-16bits)            |
| HR9267           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9268           |                          |        |        | HR9267 (Lo-16bits)            |
| HR9269           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9270           |                          |        |        | HR9269 (Lo-16bits)            |
| HR9271           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9272           |                          |        |        | HR9271 (Lo-16bits)            |
| HR9273           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9274           |                          |        |        | HR9273 (Lo-16bits)            |
| HR9275           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9276           |                          |        |        | HR9275 (Lo-16bits)            |
| HR9277           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9278           |                          |        |        | HR9277 (Lo-16bits)            |
| HR9279           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9280           |                          |        |        | HR9279 (Lo-16bits)            |
| HR9281           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9282           |                          |        |        | HR9281 (Lo-16bits)            |
| HR9283           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9284           |                          |        |        | HR9283 (Lo-16bits)            |
| HR9285           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9286           |                          |        |        | HR9285 (Lo-16bits)            |
| HR9287           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR9288           |                                            |        |        | HR9287 (Lo-16bits)          |
| HR9289           | VUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9290           |                                            |        |        | HR9289 (Lo-16bits)          |
| HR9291           | VUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9292           |                                            |        |        | HR9291 (Lo-16bits)          |
| HR9293           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9294           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9295           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9296           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9297           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9298           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9299           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9300           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9301           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9302           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9303           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9304           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9305           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9306           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9307           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9308           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |            |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9309           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9310           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9311           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9312           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9313           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9314           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9315           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9316           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9317           | FRQV1:f> Enable                                    | R(W)   | 1      | 0=No;1=Yes |
| HR9318           | FRQV1:f>> Enable                                   | R(W)   | 1      | 0=No;1=Yes |
| HR9319           | FRQV1:f>>> Enable                                  | R(W)   | 1      | 0=No;1=Yes |
| HR9320           | FRQV1:f>>>> Enable                                 | R(W)   | 1      | 0=No;1=Yes |
| HR9321           | FRQV1:f< Enable                                    | R(W)   | 1      | 0=No;1=Yes |
| HR9322           | FRQV1:f<< Enable                                   | R(W)   | 1      | 0=No;1=Yes |
| HR9323           | FRQV1:f<<< Enable                                  | R(W)   | 1      | 0=No;1=Yes |
| HR9324           | FRQV1:f<<<< Enable                                 | R(W)   | 1      | 0=No;1=Yes |
| HR9325           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9326           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9327           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9328           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9329           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9330           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter           | Access | Length |                              |
|------------------|---------------------|--------|--------|------------------------------|
| HR9331           | FRQV1:f> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9332           | FRQV1:f> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9333           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9334           |                     |        |        | HR9333 (Lo-16bits)           |
| HR9335           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9336           |                     |        |        | HR9335 (Lo-16bits)           |
| HR9337           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9338           |                     |        |        | HR9337 (Lo-16bits)           |
| HR9339           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9340           |                     |        |        | HR9339 (Lo-16bits)           |
| HR9341           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9342           |                     |        |        | HR9341 (Lo-16bits)           |
| HR9343           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9344           |                     |        |        | HR9343 (Lo-16bits)           |
| HR9345           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9346           |                     |        |        | HR9345 (Lo-16bits)           |
| HR9347           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9348           |                     |        |        | HR9347 (Lo-16bits)           |
| HR9349           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9350           |                     |        |        | HR9349 (Lo-16bits)           |
| HR9351           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9352           |                     |        |        | HR9351 (Lo-16bits)           |
| HR9353           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9354           |                     |        |        | HR9353 (Lo-16bits)           |
| HR9355           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9356           |                     |        |        | HR9355 (Lo-16bits)           |
| HR9357           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9358           |                     |        |        | HR9357 (Lo-16bits)           |
| HR9359           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9360           |                     |        |        | HR9359 (Lo-16bits)           |

| Holding Register | Parameter            | Access | Length |                              |
|------------------|----------------------|--------|--------|------------------------------|
| HR9361           | FRQV1:f> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9362           |                      |        |        | HR9361 (Lo-16bits)           |
| HR9363           | FRQV1:f> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9364           |                      |        |        | HR9363 (Lo-16bits)           |
| HR9365           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9366           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9367           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9368           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9369           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9370           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9371           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9372           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9373           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9374           |                      |        |        | HR9373 (Lo-16bits)           |
| HR9375           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9376           |                      |        |        | HR9375 (Lo-16bits)           |
| HR9377           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9378           |                      |        |        | HR9377 (Lo-16bits)           |
| HR9379           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9380           |                      |        |        | HR9379 (Lo-16bits)           |
| HR9381           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9382           |                      |        |        | HR9381 (Lo-16bits)           |
| HR9383           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9384           |                      |        |        | HR9383 (Lo-16bits)           |
| HR9385           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9386           |                      |        |        | HR9385 (Lo-16bits)           |
| HR9387           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9388           |                      |        |        | HR9387 (Lo-16bits)           |
| HR9389           | FRQV1:f>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9390           |                      |        |        | HR9389 (Lo-16bits)           |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9391           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9392           |                       |        |        | HR9391 (Lo-16bits)           |
| HR9393           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9394           |                       |        |        | HR9393 (Lo-16bits)           |
| HR9395           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9396           |                       |        |        | HR9395 (Lo-16bits)           |
| HR9397           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9398           |                       |        |        | HR9397 (Lo-16bits)           |
| HR9399           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9400           |                       |        |        | HR9399 (Lo-16bits)           |
| HR9401           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9402           |                       |        |        | HR9401 (Lo-16bits)           |
| HR9403           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9404           |                       |        |        | HR9403 (Lo-16bits)           |
| HR9405           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9406           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9407           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9408           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9409           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9410           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9411           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9412           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9413           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9414           |                       |        |        | HR9413 (Lo-16bits)           |
| HR9415           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9416           |                       |        |        | HR9415 (Lo-16bits)           |
| HR9417           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9418           |                       |        |        | HR9417 (Lo-16bits)           |
| HR9419           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9420           |                       |        |        | HR9419 (Lo-16bits)           |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9421           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9422           |                        |        |        | HR9421 (Lo-16bits)           |
| HR9423           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9424           |                        |        |        | HR9423 (Lo-16bits)           |
| HR9425           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9426           |                        |        |        | HR9425 (Lo-16bits)           |
| HR9427           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9428           |                        |        |        | HR9427 (Lo-16bits)           |
| HR9429           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9430           |                        |        |        | HR9429 (Lo-16bits)           |
| HR9431           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9432           |                        |        |        | HR9431 (Lo-16bits)           |
| HR9433           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9434           |                        |        |        | HR9433 (Lo-16bits)           |
| HR9435           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9436           |                        |        |        | HR9435 (Lo-16bits)           |
| HR9437           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9438           |                        |        |        | HR9437 (Lo-16bits)           |
| HR9439           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9440           |                        |        |        | HR9439 (Lo-16bits)           |
| HR9441           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9442           |                        |        |        | HR9441 (Lo-16bits)           |
| HR9443           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9444           |                        |        |        | HR9443 (Lo-16bits)           |
| HR9445           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9446           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9447           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9448           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9449           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9450           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |



| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9451           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9452           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9453           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9454           |                        |        |        | HR9453 (Lo-16bits)           |
| HR9455           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9456           |                        |        |        | HR9455 (Lo-16bits)           |
| HR9457           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9458           |                        |        |        | HR9457 (Lo-16bits)           |
| HR9459           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9460           |                        |        |        | HR9459 (Lo-16bits)           |
| HR9461           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9462           |                        |        |        | HR9461 (Lo-16bits)           |
| HR9463           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9464           |                        |        |        | HR9463 (Lo-16bits)           |
| HR9465           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9466           |                        |        |        | HR9465 (Lo-16bits)           |
| HR9467           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9468           |                        |        |        | HR9467 (Lo-16bits)           |
| HR9469           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9470           |                        |        |        | HR9469 (Lo-16bits)           |
| HR9471           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9472           |                        |        |        | HR9471 (Lo-16bits)           |
| HR9473           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9474           |                        |        |        | HR9473 (Lo-16bits)           |
| HR9475           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9476           |                        |        |        | HR9475 (Lo-16bits)           |
| HR9477           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9478           |                        |        |        | HR9477 (Lo-16bits)           |
| HR9479           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9480           |                        |        |        | HR9479 (Lo-16bits)           |

| Holding Register | Parameter           | Access | Length |                              |
|------------------|---------------------|--------|--------|------------------------------|
| HR9481           | FRQV1:f>>>> Op.time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9482           |                     |        |        | HR9481 (Lo-16bits)           |
| HR9483           | FRQV1:f>>>> Op.time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9484           |                     |        |        | HR9483 (Lo-16bits)           |
| HR9485           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9486           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9487           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9488           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9489           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9490           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9491           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9492           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9493           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9494           |                     |        |        | HR9493 (Lo-16bits)           |
| HR9495           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9496           |                     |        |        | HR9495 (Lo-16bits)           |
| HR9497           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9498           |                     |        |        | HR9497 (Lo-16bits)           |
| HR9499           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9500           |                     |        |        | HR9499 (Lo-16bits)           |
| HR9501           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9502           |                     |        |        | HR9501 (Lo-16bits)           |
| HR9503           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9504           |                     |        |        | HR9503 (Lo-16bits)           |
| HR9505           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9506           |                     |        |        | HR9505 (Lo-16bits)           |
| HR9507           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9508           |                     |        |        | HR9507 (Lo-16bits)           |
| HR9509           | FRQV1:f< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9510           |                     |        |        | HR9509 (Lo-16bits)           |

| Holding Register | Parameter            | Access | Length |                              |
|------------------|----------------------|--------|--------|------------------------------|
| HR9511           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9512           |                      |        |        | HR9511 (Lo-16bits)           |
| HR9513           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9514           |                      |        |        | HR9513 (Lo-16bits)           |
| HR9515           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9516           |                      |        |        | HR9515 (Lo-16bits)           |
| HR9517           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9518           |                      |        |        | HR9517 (Lo-16bits)           |
| HR9519           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9520           |                      |        |        | HR9519 (Lo-16bits)           |
| HR9521           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9522           |                      |        |        | HR9521 (Lo-16bits)           |
| HR9523           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9524           |                      |        |        | HR9523 (Lo-16bits)           |
| HR9525           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9526           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9527           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9528           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9529           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9530           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9531           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9532           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9533           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9534           |                      |        |        | HR9533 (Lo-16bits)           |
| HR9535           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9536           |                      |        |        | HR9535 (Lo-16bits)           |
| HR9537           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9538           |                      |        |        | HR9537 (Lo-16bits)           |
| HR9539           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9540           |                      |        |        | HR9539 (Lo-16bits)           |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9541           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9542           |                       |        |        | HR9541 (Lo-16bits)           |
| HR9543           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9544           |                       |        |        | HR9543 (Lo-16bits)           |
| HR9545           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9546           |                       |        |        | HR9545 (Lo-16bits)           |
| HR9547           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9548           |                       |        |        | HR9547 (Lo-16bits)           |
| HR9549           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9550           |                       |        |        | HR9549 (Lo-16bits)           |
| HR9551           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9552           |                       |        |        | HR9551 (Lo-16bits)           |
| HR9553           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9554           |                       |        |        | HR9553 (Lo-16bits)           |
| HR9555           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9556           |                       |        |        | HR9555 (Lo-16bits)           |
| HR9557           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9558           |                       |        |        | HR9557 (Lo-16bits)           |
| HR9559           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9560           |                       |        |        | HR9559 (Lo-16bits)           |
| HR9561           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9562           |                       |        |        | HR9561 (Lo-16bits)           |
| HR9563           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9564           |                       |        |        | HR9563 (Lo-16bits)           |
| HR9565           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9566           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9567           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9568           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9569           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9570           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9571           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9572           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9573           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9574           |                       |        |        | HR9573 (Lo-16bits)           |
| HR9575           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9576           |                       |        |        | HR9575 (Lo-16bits)           |
| HR9577           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9578           |                       |        |        | HR9577 (Lo-16bits)           |
| HR9579           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9580           |                       |        |        | HR9579 (Lo-16bits)           |
| HR9581           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9582           |                       |        |        | HR9581 (Lo-16bits)           |
| HR9583           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9584           |                       |        |        | HR9583 (Lo-16bits)           |
| HR9585           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9586           |                       |        |        | HR9585 (Lo-16bits)           |
| HR9587           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9588           |                       |        |        | HR9587 (Lo-16bits)           |
| HR9589           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9590           |                       |        |        | HR9589 (Lo-16bits)           |
| HR9591           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9592           |                       |        |        | HR9591 (Lo-16bits)           |
| HR9593           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9594           |                       |        |        | HR9593 (Lo-16bits)           |
| HR9595           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9596           |                       |        |        | HR9595 (Lo-16bits)           |
| HR9597           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9598           |                       |        |        | HR9597 (Lo-16bits)           |
| HR9599           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9600           |                       |        |        | HR9599 (Lo-16bits)           |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9601           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9602           |                        |        |        | HR9601 (Lo-16bits)           |
| HR9603           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9604           |                        |        |        | HR9603 (Lo-16bits)           |
| HR9605           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9606           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9607           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9608           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9609           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9610           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9611           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9612           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9613           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9614           |                        |        |        | HR9613 (Lo-16bits)           |
| HR9615           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9616           |                        |        |        | HR9615 (Lo-16bits)           |
| HR9617           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9618           |                        |        |        | HR9617 (Lo-16bits)           |
| HR9619           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9620           |                        |        |        | HR9619 (Lo-16bits)           |
| HR9621           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9622           |                        |        |        | HR9621 (Lo-16bits)           |
| HR9623           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9624           |                        |        |        | HR9623 (Lo-16bits)           |
| HR9625           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9626           |                        |        |        | HR9625 (Lo-16bits)           |
| HR9627           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9628           |                        |        |        | HR9627 (Lo-16bits)           |
| HR9629           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9630           |                        |        |        | HR9629 (Lo-16bits)           |

| Holding Register | Parameter                 | Access | Length |                                         |
|------------------|---------------------------|--------|--------|-----------------------------------------|
| HR9631           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9632           |                           |        |        | HR9631 (Lo-16bits)                      |
| HR9633           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9634           |                           |        |        | HR9633 (Lo-16bits)                      |
| HR9635           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9636           |                           |        |        | HR9635 (Lo-16bits)                      |
| HR9637           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9638           |                           |        |        | HR9637 (Lo-16bits)                      |
| HR9639           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9640           |                           |        |        | HR9639 (Lo-16bits)                      |
| HR9641           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9642           |                           |        |        | HR9641 (Lo-16bits)                      |
| HR9643           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9644           |                           |        |        | HR9643 (Lo-16bits)                      |
| HR9645           | GSYN:GSYN Nets Standstill | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9646           |                           |        |        | HR9645 (Lo-16bits)                      |
| HR9647           | GSYN:GSYN Nets Departing  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9648           |                           |        |        | HR9647 (Lo-16bits)                      |
| HR9649           | GSYN:GSYN Nets Enclosing  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9650           |                           |        |        | HR9649 (Lo-16bits)                      |
| HR9651           | DEV:Serial number         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR9652           |                           |        |        | HR9651 (Lo-16bits)                      |
| HR9653           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9654           |                           |        |        | HR9653 (Lo-16bits)                      |
| HR9655           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9656           |                           |        |        | HR9655 (Lo-16bits)                      |
| HR9657           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9658           |                           |        |        | HR9657 (Lo-16bits)                      |
| HR9659           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |

| Holding Register | Parameter      | Access | Length |                             |
|------------------|----------------|--------|--------|-----------------------------|
| HR9660           |                |        |        | HR9659 (Lo-16bits)          |
| HR9661           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9662           |                |        |        | HR9661 (Lo-16bits)          |
| HR9663           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9664           |                |        |        | HR9663 (Lo-16bits)          |
| HR9665           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9666           |                |        |        | HR9665 (Lo-16bits)          |
| HR9667           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9668           |                |        |        | HR9667 (Lo-16bits)          |
| HR9669           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9670           |                |        |        | HR9669 (Lo-16bits)          |
| HR9671           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9672           |                |        |        | HR9671 (Lo-16bits)          |
| HR9673           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9674           |                |        |        | HR9673 (Lo-16bits)          |
| HR9675           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9676           |                |        |        | HR9675 (Lo-16bits)          |
| HR9677           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9678           |                |        |        | HR9677 (Lo-16bits)          |
| HR9679           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9680           |                |        |        | HR9679 (Lo-16bits)          |
| HR9681           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9682           |                |        |        | HR9681 (Lo-16bits)          |
| HR9683           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9684           |                |        |        | HR9683 (Lo-16bits)          |
| HR9685           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9686           |                |        |        | HR9685 (Lo-16bits)          |
| HR9687           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9688           |                |        |        | HR9687 (Lo-16bits)          |



| Holding Register | Parameter                                                     | Access | Length |                        |
|------------------|---------------------------------------------------------------|--------|--------|------------------------|
| HR9689           | MBTCP:Enable mapped setting value modification through Modbus | RW     | 1      | 0=Disabled;1=Enabled   |
| HR9690           | NOC1:I> [50/51] mode                                          | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9691           | NOC2:I>> [50/51] mode                                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9692           | NOC3:I>>> [50/51] mode                                        | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9693           | NOC4:I>>>> [50/51] mode                                       | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9694           | NEF1:I0> [50N/51N] mode                                       | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9695           | NEF2:I0>> [50N/51N] mode                                      | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9696           | NEF3:I0>>> [50N/51N] mode                                     | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9697           | NEF4:I0>>>> [50N/51N] mode                                    | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9698           | CUB1:I2> [46] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9699           | CUB2:I2>> [46] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9700           | CUB3:I2>>> [46] mode                                          | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9701           | CUB4:I2>>>> [46] mode                                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9702           | OV1:U> [59] mode                                              | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9703           | OV2:U>> [59] mode                                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9704           | OV3:U>>> [59] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9705           | OV4:U>>>> [59] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9706           | UV1:U< [27] mode                                              | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9707           | UV2:U<< [27] mode                                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9708           | UV3:U<<< [27] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9709           | UV4:U<<<< [27] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9710           | VUB1:U1/2 >/< [47/27PN/59PN] mode                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9711           | VUB2:U1/2 >>/<< [47/27PN/59PN] mode                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9712           | VUB3:U1/2 >>>/<<< [47/27PN/59PN] mode                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9713           | VUB4:U1/2 >>>>/<<<< [47/27PN/59PN] mode                       | R(W)   | 1      | 0=Disabled;1=Activated |

| Holding Register | Parameter                 | Access | Length |                             |
|------------------|---------------------------|--------|--------|-----------------------------|
| HR9714           | FRQV1:f</> [81O/81U] mode | R(W)   | 1      | 0=Disabled;1=Activated      |
| HR9715           | MEAS1:IL1 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9716           |                           |        |        | HR9715 (Lo-16bits)          |
| HR9717           | MEAS1:IL1 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9718           |                           |        |        | HR9717 (Lo-16bits)          |
| HR9719           | MEAS1:IL2 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9720           |                           |        |        | HR9719 (Lo-16bits)          |
| HR9721           | MEAS1:IL2 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9722           |                           |        |        | HR9721 (Lo-16bits)          |
| HR9723           | MEAS1:IL3 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9724           |                           |        |        | HR9723 (Lo-16bits)          |
| HR9725           | MEAS1:IL3 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9726           |                           |        |        | HR9725 (Lo-16bits)          |
| HR9727           | MEAS1:I01 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9728           |                           |        |        | HR9727 (Lo-16bits)          |
| HR9729           | MEAS1:I01 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9730           |                           |        |        | HR9729 (Lo-16bits)          |
| HR9731           | MEAS1:I02 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9732           |                           |        |        | HR9731 (Lo-16bits)          |
| HR9733           | MEAS1:I02 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9734           |                           |        |        | HR9733 (Lo-16bits)          |
| HR9735           | MEAS2:I"L1 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9736           |                           |        |        | HR9735 (Lo-16bits)          |
| HR9737           | MEAS2:I"L1 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9738           |                           |        |        | HR9737 (Lo-16bits)          |
| HR9739           | MEAS2:I"L2 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9740           |                           |        |        | HR9739 (Lo-16bits)          |
| HR9741           | MEAS2:I"L2 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9742           |                           |        |        | HR9741 (Lo-16bits)          |

| Holding Register | Parameter                             | Access | Length |                                          |
|------------------|---------------------------------------|--------|--------|------------------------------------------|
| HR9743           | MEAS2:I <sup>L</sup> 3 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9744           |                                       |        |        | HR9743 (Lo-16bits)                       |
| HR9745           | MEAS2:I <sup>L</sup> 3 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9746           |                                       |        |        | HR9745 (Lo-16bits)                       |
| HR9747           | MEAS2:I <sup>L</sup> 01 Amplitude THD | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9748           |                                       |        |        | HR9747 (Lo-16bits)                       |
| HR9749           | MEAS2:I <sup>L</sup> 01 Power THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9750           |                                       |        |        | HR9749 (Lo-16bits)                       |
| HR9751           | MEAS2:I <sup>L</sup> 02 Amplitude THD | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9752           |                                       |        |        | HR9751 (Lo-16bits)                       |
| HR9753           | MEAS2:I <sup>L</sup> 02 Power THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9754           |                                       |        |        | HR9753 (Lo-16bits)                       |
| HR9755           | MEAS3:UL1 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9756           |                                       |        |        | HR9755 (Lo-16bits)                       |
| HR9757           | MEAS3:UL1 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9758           |                                       |        |        | HR9757 (Lo-16bits)                       |
| HR9759           | MEAS3:UL2 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9760           |                                       |        |        | HR9759 (Lo-16bits)                       |
| HR9761           | MEAS3:UL2 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9762           |                                       |        |        | HR9761 (Lo-16bits)                       |
| HR9763           | MEAS3:UL3 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9764           |                                       |        |        | HR9763 (Lo-16bits)                       |
| HR9765           | MEAS3:UL3 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9766           |                                       |        |        | HR9765 (Lo-16bits)                       |
| HR9767           | RTB:RTS to bus Magnitude <sub>9</sub> | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR9768           |                                       |        |        | HR9767 (Lo-16bits)                       |

| Holding Register | Parameter                            | Access | Length |                                                           |
|------------------|--------------------------------------|--------|--------|-----------------------------------------------------------|
| HR9769           | RTB:RTS to bus Magnitude 10          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits)                  |
| HR9770           |                                      |        |        | HR9769 (Lo-16bits)                                        |
| HR9771           | DIGI:DIs (cpu)                       | R      | 2      | 0b=DI1;1b=DI2;2b=DI3; (Hi-16bits)                         |
| HR9772           |                                      |        |        | HR9771 (Lo-16bits)                                        |
| HR9773           | DIGI:DIs (input option 1)            | R      | 2      | 0b=DI4;1b=DI5;2b=DI6;3b=DI7;4b=DI8;5b=DI9;6b=DI10;7b=DI11 |
| HR9774           |                                      |        |        | HR9773 (Lo-16bits)                                        |
| HR9775           | DIGI:DIs (input option 2)            | R      | 2      | 0b=DI12;1b=DI13;2b=DI14;3b=DI15;4b=DI16;5b=DI17;6b=DI18   |
| HR9776           |                                      |        |        | HR9775 (Lo-16bits)                                        |
| HR9777           | DIGI:DIs (input option 3)            | R      | 2      | 0b=DI20;1b=DI21;2b=DI22;3b=DI23;4b=DI24;5b=DI25;6b=DI26   |
| HR9778           |                                      |        |        | HR9777 (Lo-16bits)                                        |
| HR9779           | DIGI:DIs (input option 4)            | R      | 2      | 0b=D28;1b=DI29;2b=DI30;3b=DI31;4b=DI32;5b=DI33;6b=DI34;   |
| HR9780           |                                      |        |        | HR9779 (Lo-16bits)                                        |
| HR9781           | DIGI:DIs (input option 5)            | R      | 2      | 0b=DI36;1b=DI37;2b=DI38;3b=DI39;4b=DI40;5b=DI41;6b=DI42   |
| HR9782           |                                      |        |        | HR9781 (Lo-16bits)                                        |
| HR9783           | DIGI:DIs (input option 6)            | R      | 2      | 0b=DI44;1b=DI45;2b=DI46;3b=DI47;4b=DI48;5b=DI49;6b=DI50   |
| HR9784           |                                      |        |        | HR9783 (Lo-16bits)                                        |
| HR9785           | FREQS:SS1.meas.frqs                  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                |
| HR9786           |                                      |        |        | HR9785 (Lo-16bits)                                        |
| HR9787           | FREQS:SS2.meas.frqs                  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                |
| HR9788           |                                      |        |        | HR9787 (Lo-16bits)                                        |
| HR9789           | SYN1:SYN2 Estimated BRK Closing time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9790           |                                      |        |        | HR9789 (Lo-16bits)                                        |
| HR9791           | SYN1:SYN2 Networks rotating time     | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9792           |                                      |        |        | HR9791 (Lo-16bits)                                        |
| HR9793           | SYN1:SYN2 Networks placement atm     | R      | 2      | FLOAT [-360.000...360.000] (Hi-16bits)                    |
| HR9794           |                                      |        |        | HR9793 (Lo-16bits)                                        |
| HR9795           | SYN1:SYN3 Estimated BRK Closing time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9796           |                                      |        |        | HR9795 (Lo-16bits)                                        |

| Holding Register | Parameter                        | Access | Length |                                                    |
|------------------|----------------------------------|--------|--------|----------------------------------------------------|
| HR9797           | SYN1:SYN3 Networks rotating time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                    |
| HR9798           |                                  |        |        | HR9797 (Lo-16bits)                                 |
| HR9799           | SYN1:SYN3 Networks placement atm | R      | 2      | FLOAT [-360.000...360.000] (Hi-16bits)             |
| HR9800           |                                  |        |        | HR9799 (Lo-16bits)                                 |
| HR9801           | COL1:ICOL> (49OL) mode           | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9802           | COL2:ICOL>> (49OL) mode          | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9803           | CNU1:CNU> (50UB) mode            | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9906           | Object6 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9907           | Object7 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9908           | Object8 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9909           | Object9 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9910           | Object10 control register        | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |

## 1.2 T Modbus map

The following table lists modbus holding registers for AQ-210 frame units with firmware T\_v2.1.1.3-233. The firmware is used by the following device types:

- AQ-T216
- AQ-T215



### NOTICE!

Best way to always get the latest Modbus map is to load the aqs configuration file from the unit and in the AQtivate setting tool go to *Tools* → *Communication* → *Modbus map*.

Table. 1.2 - 2. AQ-21x frame Modbus map

| Holding Register | Parameter                | Access | Length |                                                    |
|------------------|--------------------------|--------|--------|----------------------------------------------------|
| HR1              | Modbus requests          | R/W=0  | 1      | Diagnostic request counter                         |
| HR2              | Modbus quality           | R      | 1      | Diagnostic quality                                 |
| HR3              | Modbus errors            | R/W=0  | 1      | Diagnostic error counter                           |
| HR4              | Modbus Ctrl OK           | R/W=0  | 1      | Diagnostic Control OK counter                      |
| HR5              | Modbus Ctrl Errors       | R/W=0  | 1      | Diagnostic Control Error counter                   |
| HR6              | Object1 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |

| Holding Register | Parameter                | Access | Length |                                                    |
|------------------|--------------------------|--------|--------|----------------------------------------------------|
| HR7              | Object2 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR8              | Object3 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9              | Object4 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR10             | Object5 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR11             | Previous Event register  | R      | 6      | Event code                                         |
| HR12             | Previous Event register  | R      | 6      | Event timestamp (ms)                               |
| HR13             | Previous Event register  | R      | 6      | Event timestamp (sec Hi-16bits)                    |
| HR14             | Previous Event register  | R      | 6      | Event timestamp (sec Lo-16bits)                    |
| HR15             | Previous Event register  | R      | 6      | Event sequential index                             |
| HR16             | Previous Event register  | R      | 6      | RESERVED                                           |
| HR17             | Event register           | R      | 6      | Event code                                         |
| HR18             | Event register           | R      | 6      | Event timestamp (ms)                               |
| HR19             | Event register           | R      | 6      | Event timestamp (sec Hi-16bits)                    |
| HR20             | Event register           | R      | 6      | Event timestamp (sec Lo-16bits)                    |
| HR21             | Event register           | R      | 6      | Event sequential index                             |
| HR22             | Event register           | R      | 6      | RESERVED                                           |
| HR23             | System time              | RW     | 3      | System time (ms)                                   |
| HR24             | System time              | RW     | 3      | System time (sec Hi-16bits)                        |
| HR25             | System time              | RW     | 3      | System time (sec Lo-16bits)                        |
| HR26             | MEAS1: Pri.Pha.curr.IL1  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR27             |                          |        |        | HR26 (Lo-16bits)                                   |
| HR28             | MEAS1: Pri.Pha.curr.IL2  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR29             |                          |        |        | HR28 (Lo-16bits)                                   |
| HR30             | MEAS1: Pri.Pha.curr.IL3  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR31             |                          |        |        | HR30 (Lo-16bits)                                   |
| HR32             | MEAS1: Pha.angle IL1     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR33             |                          |        |        | HR32 (Lo-16bits)                                   |
| HR34             | MEAS1: Pha.angle IL2     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR35             |                          |        |        | HR34 (Lo-16bits)                                   |
| HR36             | MEAS1: Pha.angle IL3     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR37             |                              |        |        | HR36 (Lo-16bits)               |
| HR38             | MEAS1: Pri.Res.curr.I01      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR39             |                              |        |        | HR38 (Lo-16bits)               |
| HR40             | MEAS1: Res.curr.angle I01    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR41             |                              |        |        | HR40 (Lo-16bits)               |
| HR42             | MEAS1: Pri.Res.curr.I02      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR43             |                              |        |        | HR42 (Lo-16bits)               |
| HR44             | MEAS1: Res.curr.angle I02    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR45             |                              |        |        | HR44 (Lo-16bits)               |
| HR46             | MEAS1: Pri.calc.I0           | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR47             |                              |        |        | HR46 (Lo-16bits)               |
| HR48             | MEAS1: calc.I0 Pha.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR49             |                              |        |        | HR48 (Lo-16bits)               |
| HR50             | MEAS1: Pha.curr.IL1 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR51             |                              |        |        | HR50 (Lo-16bits)               |
| HR52             | MEAS1: Pha.curr.IL2 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR53             |                              |        |        | HR52 (Lo-16bits)               |
| HR54             | MEAS1: Pha.curr.IL3 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR55             |                              |        |        | HR54 (Lo-16bits)               |
| HR56             | MEAS1: Pri.Pos.seq.curr.     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR57             |                              |        |        | HR56 (Lo-16bits)               |
| HR58             | MEAS1: Pri.Neg.seq.curr.     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR59             |                              |        |        | HR58 (Lo-16bits)               |
| HR60             | MEAS1: Pri.Zero seq.curr.    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR61             |                              |        |        | HR60 (Lo-16bits)               |
| HR62             | MEAS1: Pos.seq.curr.angle    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR63             |                              |        |        | HR62 (Lo-16bits)               |
| HR64             | MEAS1: Neg.seq.curr.angle    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR65             |                              |        |        | HR64 (Lo-16bits)               |

| Holding Register | Parameter                   | Access | Length |                                |
|------------------|-----------------------------|--------|--------|--------------------------------|
| HR66             | MEAS1:Zero seq.curr.angle   | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR67             |                             |        |        | HR66 (Lo-16bits)               |
| HR68             | MEAS1:Res.curr.I01 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR69             |                             |        |        | HR68 (Lo-16bits)               |
| HR70             | MEAS1:Res.curr.I02 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR71             |                             |        |        | HR70 (Lo-16bits)               |
| HR72             | MEAS1:Pha.L1 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR73             |                             |        |        | HR72 (Lo-16bits)               |
| HR74             | MEAS1:Pha.L1 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR75             |                             |        |        | HR74 (Lo-16bits)               |
| HR76             | MEAS1:Pha.L2 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR77             |                             |        |        | HR76 (Lo-16bits)               |
| HR78             | MEAS1:Pha.L2 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR79             |                             |        |        | HR78 (Lo-16bits)               |
| HR80             | MEAS1:Pha.L3 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR81             |                             |        |        | HR80 (Lo-16bits)               |
| HR82             | MEAS1:Pha.L3 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR83             |                             |        |        | HR82 (Lo-16bits)               |
| HR84             | MEAS1:Res.I01 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR85             |                             |        |        | HR84 (Lo-16bits)               |
| HR86             | MEAS1:Res.I01 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR87             |                             |        |        | HR86 (Lo-16bits)               |
| HR88             | MEAS1:Res.I02 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR89             |                             |        |        | HR88 (Lo-16bits)               |
| HR90             | MEAS1:Res.I02 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR91             |                             |        |        | HR90 (Lo-16bits)               |
| HR92             | MEAS1:P-P curr.IL1          | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR93             |                             |        |        | HR92 (Lo-16bits)               |
| HR94             | MEAS1:P-P curr.IL2          | R      | 2      | FLOAT [0...500] (Hi-16bits)    |



| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR95             |                    |        |        | HR94 (Lo-16bits)               |
| HR96             | MEAS1:P-P curr.IL3 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR97             |                    |        |        | HR96 (Lo-16bits)               |
| HR98             | MEAS1:P-P curr.I01 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR99             |                    |        |        | HR98 (Lo-16bits)               |
| HR100            | MEAS1:P-P curr.I02 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR101            |                    |        |        | HR100 (Lo-16bits)              |
| HR102            | MEAS1:IL1 Fund     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR103            |                    |        |        | HR102 (Lo-16bits)              |
| HR104            | MEAS1:IL1 2.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR105            |                    |        |        | HR104 (Lo-16bits)              |
| HR106            | MEAS1:IL1 3.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR107            |                    |        |        | HR106 (Lo-16bits)              |
| HR108            | MEAS1:IL1 4.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR109            |                    |        |        | HR108 (Lo-16bits)              |
| HR110            | MEAS1:IL1 5.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR111            |                    |        |        | HR110 (Lo-16bits)              |
| HR112            | MEAS1:IL1 6.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR113            |                    |        |        | HR112 (Lo-16bits)              |
| HR114            | MEAS1:IL1 7.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR115            |                    |        |        | HR114 (Lo-16bits)              |
| HR116            | MEAS1:IL1 8.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR117            |                    |        |        | HR116 (Lo-16bits)              |
| HR118            | MEAS1:IL1 9.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR119            |                    |        |        | HR118 (Lo-16bits)              |
| HR120            | MEAS1:IL1 10.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR121            |                    |        |        | HR120 (Lo-16bits)              |
| HR122            | MEAS1:IL1 11.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR123            |                    |        |        | HR122 (Lo-16bits)              |
| HR124            | MEAS1:IL1 12.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR125            |                   |        |        | HR124 (Lo-16bits)              |
| HR126            | MEAS1:IL1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR127            |                   |        |        | HR126 (Lo-16bits)              |
| HR128            | MEAS1:IL1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR129            |                   |        |        | HR128 (Lo-16bits)              |
| HR130            | MEAS1:IL1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR131            |                   |        |        | HR130 (Lo-16bits)              |
| HR132            | MEAS1:IL1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR133            |                   |        |        | HR132 (Lo-16bits)              |
| HR134            | MEAS1:IL1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR135            |                   |        |        | HR134 (Lo-16bits)              |
| HR136            | MEAS1:IL1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR137            |                   |        |        | HR136 (Lo-16bits)              |
| HR138            | MEAS1:IL1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR139            |                   |        |        | HR138 (Lo-16bits)              |
| HR140            | MEAS1:IL1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR141            |                   |        |        | HR140 (Lo-16bits)              |
| HR142            | MEAS1:IL1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR143            |                   |        |        | HR142 (Lo-16bits)              |
| HR144            | MEAS1:IL1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR145            |                   |        |        | HR144 (Lo-16bits)              |
| HR146            | MEAS1:IL1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR147            |                   |        |        | HR146 (Lo-16bits)              |
| HR148            | MEAS1:IL1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR149            |                   |        |        | HR148 (Lo-16bits)              |
| HR150            | MEAS1:IL1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR151            |                   |        |        | HR150 (Lo-16bits)              |
| HR152            | MEAS1:IL1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR153            |                   |        |        | HR152 (Lo-16bits)              |
| HR154            | MEAS1:IL1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR155            |                   |        |        | HR154 (Lo-16bits)              |
| HR156            | MEAS1:IL1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR157            |                   |        |        | HR156 (Lo-16bits)              |
| HR158            | MEAS1:IL1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR159            |                   |        |        | HR158 (Lo-16bits)              |
| HR160            | MEAS1:IL1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR161            |                   |        |        | HR160 (Lo-16bits)              |
| HR162            | MEAS1:IL1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR163            |                   |        |        | HR162 (Lo-16bits)              |
| HR164            | MEAS1:IL2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR165            |                   |        |        | HR164 (Lo-16bits)              |
| HR166            | MEAS1:IL2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR167            |                   |        |        | HR166 (Lo-16bits)              |
| HR168            | MEAS1:IL2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR169            |                   |        |        | HR168 (Lo-16bits)              |
| HR170            | MEAS1:IL2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR171            |                   |        |        | HR170 (Lo-16bits)              |
| HR172            | MEAS1:IL2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR173            |                   |        |        | HR172 (Lo-16bits)              |
| HR174            | MEAS1:IL2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR175            |                   |        |        | HR174 (Lo-16bits)              |
| HR176            | MEAS1:IL2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR177            |                   |        |        | HR176 (Lo-16bits)              |
| HR178            | MEAS1:IL2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR179            |                   |        |        | HR178 (Lo-16bits)              |
| HR180            | MEAS1:IL2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR181            |                   |        |        | HR180 (Lo-16bits)              |
| HR182            | MEAS1:IL2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR183            |                   |        |        | HR182 (Lo-16bits)              |
| HR184            | MEAS1:IL2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR185            |                   |        |        | HR184 (Lo-16bits)              |
| HR186            | MEAS1:IL2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR187            |                   |        |        | HR186 (Lo-16bits)              |
| HR188            | MEAS1:IL2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR189            |                   |        |        | HR188 (Lo-16bits)              |
| HR190            | MEAS1:IL2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR191            |                   |        |        | HR190 (Lo-16bits)              |
| HR192            | MEAS1:IL2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR193            |                   |        |        | HR192 (Lo-16bits)              |
| HR194            | MEAS1:IL2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR195            |                   |        |        | HR194 (Lo-16bits)              |
| HR196            | MEAS1:IL2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR197            |                   |        |        | HR196 (Lo-16bits)              |
| HR198            | MEAS1:IL2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR199            |                   |        |        | HR198 (Lo-16bits)              |
| HR200            | MEAS1:IL2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR201            |                   |        |        | HR200 (Lo-16bits)              |
| HR202            | MEAS1:IL2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR203            |                   |        |        | HR202 (Lo-16bits)              |
| HR204            | MEAS1:IL2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR205            |                   |        |        | HR204 (Lo-16bits)              |
| HR206            | MEAS1:IL2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR207            |                   |        |        | HR206 (Lo-16bits)              |
| HR208            | MEAS1:IL2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR209            |                   |        |        | HR208 (Lo-16bits)              |
| HR210            | MEAS1:IL2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR211            |                   |        |        | HR210 (Lo-16bits)              |
| HR212            | MEAS1:IL2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR213            |                   |        |        | HR212 (Lo-16bits)              |
| HR214            | MEAS1:IL2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR215            |                   |        |        | HR214 (Lo-16bits)              |
| HR216            | MEAS1:IL2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR217            |                   |        |        | HR216 (Lo-16bits)              |
| HR218            | MEAS1:IL2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR219            |                   |        |        | HR218 (Lo-16bits)              |
| HR220            | MEAS1:IL2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR221            |                   |        |        | HR220 (Lo-16bits)              |
| HR222            | MEAS1:IL2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR223            |                   |        |        | HR222 (Lo-16bits)              |
| HR224            | MEAS1:IL2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR225            |                   |        |        | HR224 (Lo-16bits)              |
| HR226            | MEAS1:IL3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR227            |                   |        |        | HR226 (Lo-16bits)              |
| HR228            | MEAS1:IL3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR229            |                   |        |        | HR228 (Lo-16bits)              |
| HR230            | MEAS1:IL3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR231            |                   |        |        | HR230 (Lo-16bits)              |
| HR232            | MEAS1:IL3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR233            |                   |        |        | HR232 (Lo-16bits)              |
| HR234            | MEAS1:IL3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR235            |                   |        |        | HR234 (Lo-16bits)              |
| HR236            | MEAS1:IL3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR237            |                   |        |        | HR236 (Lo-16bits)              |
| HR238            | MEAS1:IL3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR239            |                   |        |        | HR238 (Lo-16bits)              |
| HR240            | MEAS1:IL3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR241            |                   |        |        | HR240 (Lo-16bits)              |
| HR242            | MEAS1:IL3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR243            |                   |        |        | HR242 (Lo-16bits)              |
| HR244            | MEAS1:IL3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR245            |                   |        |        | HR244 (Lo-16bits)              |
| HR246            | MEAS1:IL3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR247            |                   |        |        | HR246 (Lo-16bits)              |
| HR248            | MEAS1:IL3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR249            |                   |        |        | HR248 (Lo-16bits)              |
| HR250            | MEAS1:IL3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR251            |                   |        |        | HR250 (Lo-16bits)              |
| HR252            | MEAS1:IL3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR253            |                   |        |        | HR252 (Lo-16bits)              |
| HR254            | MEAS1:IL3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR255            |                   |        |        | HR254 (Lo-16bits)              |
| HR256            | MEAS1:IL3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR257            |                   |        |        | HR256 (Lo-16bits)              |
| HR258            | MEAS1:IL3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR259            |                   |        |        | HR258 (Lo-16bits)              |
| HR260            | MEAS1:IL3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR261            |                   |        |        | HR260 (Lo-16bits)              |
| HR262            | MEAS1:IL3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR263            |                   |        |        | HR262 (Lo-16bits)              |
| HR264            | MEAS1:IL3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR265            |                   |        |        | HR264 (Lo-16bits)              |
| HR266            | MEAS1:IL3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR267            |                   |        |        | HR266 (Lo-16bits)              |
| HR268            | MEAS1:IL3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR269            |                   |        |        | HR268 (Lo-16bits)              |
| HR270            | MEAS1:IL3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR271            |                   |        |        | HR270 (Lo-16bits)              |
| HR272            | MEAS1:IL3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR273            |                   |        |        | HR272 (Lo-16bits)              |
| HR274            | MEAS1:IL3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR275            |                   |        |        | HR274 (Lo-16bits)              |
| HR276            | MEAS1:IL3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR277            |                   |        |        | HR276 (Lo-16bits)              |
| HR278            | MEAS1:IL3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR279            |                   |        |        | HR278 (Lo-16bits)              |
| HR280            | MEAS1:IL3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR281            |                   |        |        | HR280 (Lo-16bits)              |
| HR282            | MEAS1:IL3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR283            |                   |        |        | HR282 (Lo-16bits)              |
| HR284            | MEAS1:IL3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR285            |                   |        |        | HR284 (Lo-16bits)              |
| HR286            | MEAS1:IL3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR287            |                   |        |        | HR286 (Lo-16bits)              |
| HR288            | MEAS1:I01 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR289            |                   |        |        | HR288 (Lo-16bits)              |
| HR290            | MEAS1:I01 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR291            |                   |        |        | HR290 (Lo-16bits)              |
| HR292            | MEAS1:I01 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR293            |                   |        |        | HR292 (Lo-16bits)              |
| HR294            | MEAS1:I01 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR295            |                   |        |        | HR294 (Lo-16bits)              |
| HR296            | MEAS1:I01 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR297            |                   |        |        | HR296 (Lo-16bits)              |
| HR298            | MEAS1:I01 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR299            |                   |        |        | HR298 (Lo-16bits)              |
| HR300            | MEAS1:I01 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR301            |                   |        |        | HR300 (Lo-16bits)              |
| HR302            | MEAS1:I01 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR303            |                   |        |        | HR302 (Lo-16bits)              |
| HR304            | MEAS1:I01 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR305            |                   |        |        | HR304 (Lo-16bits)              |
| HR306            | MEAS1:I01 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR307            |                   |        |        | HR306 (Lo-16bits)              |
| HR308            | MEAS1:I01 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR309            |                   |        |        | HR308 (Lo-16bits)              |
| HR310            | MEAS1:I01 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR311            |                   |        |        | HR310 (Lo-16bits)              |
| HR312            | MEAS1:I01 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR313            |                   |        |        | HR312 (Lo-16bits)              |
| HR314            | MEAS1:I01 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR315            |                   |        |        | HR314 (Lo-16bits)              |
| HR316            | MEAS1:I01 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR317            |                   |        |        | HR316 (Lo-16bits)              |
| HR318            | MEAS1:I01 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR319            |                   |        |        | HR318 (Lo-16bits)              |
| HR320            | MEAS1:I01 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR321            |                   |        |        | HR320 (Lo-16bits)              |
| HR322            | MEAS1:I01 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR323            |                   |        |        | HR322 (Lo-16bits)              |
| HR324            | MEAS1:I01 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR325            |                   |        |        | HR324 (Lo-16bits)              |
| HR326            | MEAS1:I01 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR327            |                   |        |        | HR326 (Lo-16bits)              |
| HR328            | MEAS1:I01 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR329            |                   |        |        | HR328 (Lo-16bits)              |
| HR330            | MEAS1:I01 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR331            |                   |        |        | HR330 (Lo-16bits)              |
| HR332            | MEAS1:I01 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR333            |                   |        |        | HR332 (Lo-16bits)              |
| HR334            | MEAS1:I01 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |



| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR335            |                   |        |        | HR334 (Lo-16bits)              |
| HR336            | MEAS1:I01 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR337            |                   |        |        | HR336 (Lo-16bits)              |
| HR338            | MEAS1:I01 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR339            |                   |        |        | HR338 (Lo-16bits)              |
| HR340            | MEAS1:I01 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR341            |                   |        |        | HR340 (Lo-16bits)              |
| HR342            | MEAS1:I01 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR343            |                   |        |        | HR342 (Lo-16bits)              |
| HR344            | MEAS1:I01 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR345            |                   |        |        | HR344 (Lo-16bits)              |
| HR346            | MEAS1:I01 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR347            |                   |        |        | HR346 (Lo-16bits)              |
| HR348            | MEAS1:I01 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR349            |                   |        |        | HR348 (Lo-16bits)              |
| HR350            | MEAS1:I02 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR351            |                   |        |        | HR350 (Lo-16bits)              |
| HR352            | MEAS1:I02 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR353            |                   |        |        | HR352 (Lo-16bits)              |
| HR354            | MEAS1:I02 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR355            |                   |        |        | HR354 (Lo-16bits)              |
| HR356            | MEAS1:I02 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR357            |                   |        |        | HR356 (Lo-16bits)              |
| HR358            | MEAS1:I02 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR359            |                   |        |        | HR358 (Lo-16bits)              |
| HR360            | MEAS1:I02 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR361            |                   |        |        | HR360 (Lo-16bits)              |
| HR362            | MEAS1:I02 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR363            |                   |        |        | HR362 (Lo-16bits)              |
| HR364            | MEAS1:I02 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR365            |                   |        |        | HR364 (Lo-16bits)              |
| HR366            | MEAS1:I02 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR367            |                   |        |        | HR366 (Lo-16bits)              |
| HR368            | MEAS1:I02 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR369            |                   |        |        | HR368 (Lo-16bits)              |
| HR370            | MEAS1:I02 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR371            |                   |        |        | HR370 (Lo-16bits)              |
| HR372            | MEAS1:I02 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR373            |                   |        |        | HR372 (Lo-16bits)              |
| HR374            | MEAS1:I02 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR375            |                   |        |        | HR374 (Lo-16bits)              |
| HR376            | MEAS1:I02 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR377            |                   |        |        | HR376 (Lo-16bits)              |
| HR378            | MEAS1:I02 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR379            |                   |        |        | HR378 (Lo-16bits)              |
| HR380            | MEAS1:I02 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR381            |                   |        |        | HR380 (Lo-16bits)              |
| HR382            | MEAS1:I02 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR383            |                   |        |        | HR382 (Lo-16bits)              |
| HR384            | MEAS1:I02 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR385            |                   |        |        | HR384 (Lo-16bits)              |
| HR386            | MEAS1:I02 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR387            |                   |        |        | HR386 (Lo-16bits)              |
| HR388            | MEAS1:I02 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR389            |                   |        |        | HR388 (Lo-16bits)              |
| HR390            | MEAS1:I02 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR391            |                   |        |        | HR390 (Lo-16bits)              |
| HR392            | MEAS1:I02 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR393            |                   |        |        | HR392 (Lo-16bits)              |
| HR394            | MEAS1:I02 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                                |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR395            |                         |        |        | HR394 (Lo-16bits)              |
| HR396            | MEAS1:I02 24.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR397            |                         |        |        | HR396 (Lo-16bits)              |
| HR398            | MEAS1:I02 25.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR399            |                         |        |        | HR398 (Lo-16bits)              |
| HR400            | MEAS1:I02 26.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR401            |                         |        |        | HR400 (Lo-16bits)              |
| HR402            | MEAS1:I02 27.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR403            |                         |        |        | HR402 (Lo-16bits)              |
| HR404            | MEAS1:I02 28.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR405            |                         |        |        | HR404 (Lo-16bits)              |
| HR406            | MEAS1:I02 29.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR407            |                         |        |        | HR406 (Lo-16bits)              |
| HR408            | MEAS1:I02 30.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR409            |                         |        |        | HR408 (Lo-16bits)              |
| HR410            | MEAS1:I02 31.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR411            |                         |        |        | HR410 (Lo-16bits)              |
| HR412            | MEAS2:Pri.Pha.curr.I"L1 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR413            |                         |        |        | HR412 (Lo-16bits)              |
| HR414            | MEAS2:Pri.Pha.curr.I"L2 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR415            |                         |        |        | HR414 (Lo-16bits)              |
| HR416            | MEAS2:Pri.Pha.curr.I"L3 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR417            |                         |        |        | HR416 (Lo-16bits)              |
| HR418            | MEAS2:Pha.angle I"L1    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR419            |                         |        |        | HR418 (Lo-16bits)              |
| HR420            | MEAS2:Pha.angle I"L2    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR421            |                         |        |        | HR420 (Lo-16bits)              |
| HR422            | MEAS2:Pha.angle I"L3    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR423            |                         |        |        | HR422 (Lo-16bits)              |
| HR424            | MEAS2:Pri.Res.curr.I"01 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR425            |                              |        |        | HR424 (Lo-16bits)              |
| HR426            | MEAS2:Res.curr.angle I°01    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR427            |                              |        |        | HR426 (Lo-16bits)              |
| HR428            | MEAS2:Pri.Res.curr.I°02      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR429            |                              |        |        | HR428 (Lo-16bits)              |
| HR430            | MEAS2:Res.curr.angle I°02    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR431            |                              |        |        | HR430 (Lo-16bits)              |
| HR432            | MEAS2:Pri.calc.I°0           | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR433            |                              |        |        | HR432 (Lo-16bits)              |
| HR434            | MEAS2:calc.I°0 Pha.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR435            |                              |        |        | HR434 (Lo-16bits)              |
| HR436            | MEAS2:Pha.curr.I°L1 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR437            |                              |        |        | HR436 (Lo-16bits)              |
| HR438            | MEAS2:Pha.curr.I°L2 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR439            |                              |        |        | HR438 (Lo-16bits)              |
| HR440            | MEAS2:Pha.curr.I°L3 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR441            |                              |        |        | HR440 (Lo-16bits)              |
| HR442            | MEAS2:I° Pri.Pos.seq.curr.   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR443            |                              |        |        | HR442 (Lo-16bits)              |
| HR444            | MEAS2:I° Pri.Neg.seq.curr.   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR445            |                              |        |        | HR444 (Lo-16bits)              |
| HR446            | MEAS2:I° Pri.Zero seq.curr.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR447            |                              |        |        | HR446 (Lo-16bits)              |
| HR448            | MEAS2:I° Pos.seq.curr.angle  | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR449            |                              |        |        | HR448 (Lo-16bits)              |
| HR450            | MEAS2:I° Neg.seq.curr.angle  | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR451            |                              |        |        | HR450 (Lo-16bits)              |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR452            | MEAS2:I" Zero seq.curr.angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR453            |                              |        |        | HR452 (Lo-16bits)              |
| HR454            | MEAS2:Res.curr.I"01 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR455            |                              |        |        | HR454 (Lo-16bits)              |
| HR456            | MEAS2:Res.curr.I"02 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR457            |                              |        |        | HR456 (Lo-16bits)              |
| HR458            | MEAS2:Pha.I"L1 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR459            |                              |        |        | HR458 (Lo-16bits)              |
| HR460            | MEAS2:Pha.I"L1 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR461            |                              |        |        | HR460 (Lo-16bits)              |
| HR462            | MEAS2:Pha.I"L2 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR463            |                              |        |        | HR462 (Lo-16bits)              |
| HR464            | MEAS2:Pha.I"L2 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR465            |                              |        |        | HR464 (Lo-16bits)              |
| HR466            | MEAS2:Pha.I"L3 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR467            |                              |        |        | HR466 (Lo-16bits)              |
| HR468            | MEAS2:Pha.I"L3 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR469            |                              |        |        | HR468 (Lo-16bits)              |
| HR470            | MEAS2:Res.I"01 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR471            |                              |        |        | HR470 (Lo-16bits)              |
| HR472            | MEAS2:Res.I"01 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR473            |                              |        |        | HR472 (Lo-16bits)              |
| HR474            | MEAS2:Res.I"02 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR475            |                              |        |        | HR474 (Lo-16bits)              |
| HR476            | MEAS2:Res.I"02 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR477            |                              |        |        | HR476 (Lo-16bits)              |

| Holding Register | Parameter           | Access | Length |                                |
|------------------|---------------------|--------|--------|--------------------------------|
| HR478            | MEAS2:P-P curr.I"L1 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR479            |                     |        |        | HR478 (Lo-16bits)              |
| HR480            | MEAS2:P-P curr.I"L2 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR481            |                     |        |        | HR480 (Lo-16bits)              |
| HR482            | MEAS2:P-P curr.I"L3 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR483            |                     |        |        | HR482 (Lo-16bits)              |
| HR484            | MEAS2:P-P curr.I"01 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR485            |                     |        |        | HR484 (Lo-16bits)              |
| HR486            | MEAS2:P-P curr.I"02 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR487            |                     |        |        | HR486 (Lo-16bits)              |
| HR488            | MEAS2:I"L1 Fund     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR489            |                     |        |        | HR488 (Lo-16bits)              |
| HR490            | MEAS2:I"L1 2.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR491            |                     |        |        | HR490 (Lo-16bits)              |
| HR492            | MEAS2:I"L1 3.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR493            |                     |        |        | HR492 (Lo-16bits)              |
| HR494            | MEAS2:I"L1 4.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR495            |                     |        |        | HR494 (Lo-16bits)              |
| HR496            | MEAS2:I"L1 5.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR497            |                     |        |        | HR496 (Lo-16bits)              |
| HR498            | MEAS2:I"L1 6.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR499            |                     |        |        | HR498 (Lo-16bits)              |
| HR500            | MEAS2:I"L1 7.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR501            |                     |        |        | HR500 (Lo-16bits)              |
| HR502            | MEAS2:I"L1 8.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR503            |                     |        |        | HR502 (Lo-16bits)              |
| HR504            | MEAS2:I"L1 9.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR505            |                     |        |        | HR504 (Lo-16bits)              |
| HR506            | MEAS2:I"L1 10.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR507            |                     |        |        | HR506 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR508            | MEAS2:I"L1 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR509            |                    |        |        | HR508 (Lo-16bits)              |
| HR510            | MEAS2:I"L1 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR511            |                    |        |        | HR510 (Lo-16bits)              |
| HR512            | MEAS2:I"L1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR513            |                    |        |        | HR512 (Lo-16bits)              |
| HR514            | MEAS2:I"L1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR515            |                    |        |        | HR514 (Lo-16bits)              |
| HR516            | MEAS2:I"L1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR517            |                    |        |        | HR516 (Lo-16bits)              |
| HR518            | MEAS2:I"L1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR519            |                    |        |        | HR518 (Lo-16bits)              |
| HR520            | MEAS2:I"L1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR521            |                    |        |        | HR520 (Lo-16bits)              |
| HR522            | MEAS2:I"L1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR523            |                    |        |        | HR522 (Lo-16bits)              |
| HR524            | MEAS2:I"L1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR525            |                    |        |        | HR524 (Lo-16bits)              |
| HR526            | MEAS2:I"L1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR527            |                    |        |        | HR526 (Lo-16bits)              |
| HR528            | MEAS2:I"L1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR529            |                    |        |        | HR528 (Lo-16bits)              |
| HR530            | MEAS2:I"L1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR531            |                    |        |        | HR530 (Lo-16bits)              |
| HR532            | MEAS2:I"L1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR533            |                    |        |        | HR532 (Lo-16bits)              |
| HR534            | MEAS2:I"L1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR535            |                    |        |        | HR534 (Lo-16bits)              |
| HR536            | MEAS2:I"L1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR537            |                    |        |        | HR536 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR538            | MEAS2:I"L1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR539            |                    |        |        | HR538 (Lo-16bits)              |
| HR540            | MEAS2:I"L1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR541            |                    |        |        | HR540 (Lo-16bits)              |
| HR542            | MEAS2:I"L1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR543            |                    |        |        | HR542 (Lo-16bits)              |
| HR544            | MEAS2:I"L1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR545            |                    |        |        | HR544 (Lo-16bits)              |
| HR546            | MEAS2:I"L1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR547            |                    |        |        | HR546 (Lo-16bits)              |
| HR548            | MEAS2:I"L1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR549            |                    |        |        | HR548 (Lo-16bits)              |
| HR550            | MEAS2:I"L2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR551            |                    |        |        | HR550 (Lo-16bits)              |
| HR552            | MEAS2:I"L2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR553            |                    |        |        | HR552 (Lo-16bits)              |
| HR554            | MEAS2:I"L2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR555            |                    |        |        | HR554 (Lo-16bits)              |
| HR556            | MEAS2:I"L2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR557            |                    |        |        | HR556 (Lo-16bits)              |
| HR558            | MEAS2:I"L2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR559            |                    |        |        | HR558 (Lo-16bits)              |
| HR560            | MEAS2:I"L2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR561            |                    |        |        | HR560 (Lo-16bits)              |
| HR562            | MEAS2:I"L2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR563            |                    |        |        | HR562 (Lo-16bits)              |
| HR564            | MEAS2:I"L2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR565            |                    |        |        | HR564 (Lo-16bits)              |
| HR566            | MEAS2:I"L2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR567            |                    |        |        | HR566 (Lo-16bits)              |



| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR568            | MEAS2:I"L2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR569            |                    |        |        | HR568 (Lo-16bits)              |
| HR570            | MEAS2:I"L2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR571            |                    |        |        | HR570 (Lo-16bits)              |
| HR572            | MEAS2:I"L2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR573            |                    |        |        | HR572 (Lo-16bits)              |
| HR574            | MEAS2:I"L2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR575            |                    |        |        | HR574 (Lo-16bits)              |
| HR576            | MEAS2:I"L2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR577            |                    |        |        | HR576 (Lo-16bits)              |
| HR578            | MEAS2:I"L2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR579            |                    |        |        | HR578 (Lo-16bits)              |
| HR580            | MEAS2:I"L2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR581            |                    |        |        | HR580 (Lo-16bits)              |
| HR582            | MEAS2:I"L2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR583            |                    |        |        | HR582 (Lo-16bits)              |
| HR584            | MEAS2:I"L2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR585            |                    |        |        | HR584 (Lo-16bits)              |
| HR586            | MEAS2:I"L2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR587            |                    |        |        | HR586 (Lo-16bits)              |
| HR588            | MEAS2:I"L2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR589            |                    |        |        | HR588 (Lo-16bits)              |
| HR590            | MEAS2:I"L2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR591            |                    |        |        | HR590 (Lo-16bits)              |
| HR592            | MEAS2:I"L2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR593            |                    |        |        | HR592 (Lo-16bits)              |
| HR594            | MEAS2:I"L2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR595            |                    |        |        | HR594 (Lo-16bits)              |
| HR596            | MEAS2:I"L2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR597            |                    |        |        | HR596 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR598            | MEAS2:I"L2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR599            |                    |        |        | HR598 (Lo-16bits)              |
| HR600            | MEAS2:I"L2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR601            |                    |        |        | HR600 (Lo-16bits)              |
| HR602            | MEAS2:I"L2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR603            |                    |        |        | HR602 (Lo-16bits)              |
| HR604            | MEAS2:I"L2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR605            |                    |        |        | HR604 (Lo-16bits)              |
| HR606            | MEAS2:I"L2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR607            |                    |        |        | HR606 (Lo-16bits)              |
| HR608            | MEAS2:I"L2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR609            |                    |        |        | HR608 (Lo-16bits)              |
| HR610            | MEAS2:I"L2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR611            |                    |        |        | HR610 (Lo-16bits)              |
| HR612            | MEAS2:I"L3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR613            |                    |        |        | HR612 (Lo-16bits)              |
| HR614            | MEAS2:I"L3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR615            |                    |        |        | HR614 (Lo-16bits)              |
| HR616            | MEAS2:I"L3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR617            |                    |        |        | HR616 (Lo-16bits)              |
| HR618            | MEAS2:I"L3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR619            |                    |        |        | HR618 (Lo-16bits)              |
| HR620            | MEAS2:I"L3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR621            |                    |        |        | HR620 (Lo-16bits)              |
| HR622            | MEAS2:I"L3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR623            |                    |        |        | HR622 (Lo-16bits)              |
| HR624            | MEAS2:I"L3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR625            |                    |        |        | HR624 (Lo-16bits)              |
| HR626            | MEAS2:I"L3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR627            |                    |        |        | HR626 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR628            | MEAS2:I"L3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR629            |                    |        |        | HR628 (Lo-16bits)              |
| HR630            | MEAS2:I"L3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR631            |                    |        |        | HR630 (Lo-16bits)              |
| HR632            | MEAS2:I"L3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR633            |                    |        |        | HR632 (Lo-16bits)              |
| HR634            | MEAS2:I"L3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR635            |                    |        |        | HR634 (Lo-16bits)              |
| HR636            | MEAS2:I"L3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR637            |                    |        |        | HR636 (Lo-16bits)              |
| HR638            | MEAS2:I"L3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR639            |                    |        |        | HR638 (Lo-16bits)              |
| HR640            | MEAS2:I"L3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR641            |                    |        |        | HR640 (Lo-16bits)              |
| HR642            | MEAS2:I"L3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR643            |                    |        |        | HR642 (Lo-16bits)              |
| HR644            | MEAS2:I"L3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR645            |                    |        |        | HR644 (Lo-16bits)              |
| HR646            | MEAS2:I"L3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR647            |                    |        |        | HR646 (Lo-16bits)              |
| HR648            | MEAS2:I"L3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR649            |                    |        |        | HR648 (Lo-16bits)              |
| HR650            | MEAS2:I"L3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR651            |                    |        |        | HR650 (Lo-16bits)              |
| HR652            | MEAS2:I"L3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR653            |                    |        |        | HR652 (Lo-16bits)              |
| HR654            | MEAS2:I"L3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR655            |                    |        |        | HR654 (Lo-16bits)              |
| HR656            | MEAS2:I"L3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR657            |                    |        |        | HR656 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR658            | MEAS2:I"L3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR659            |                    |        |        | HR658 (Lo-16bits)              |
| HR660            | MEAS2:I"L3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR661            |                    |        |        | HR660 (Lo-16bits)              |
| HR662            | MEAS2:I"L3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR663            |                    |        |        | HR662 (Lo-16bits)              |
| HR664            | MEAS2:I"L3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR665            |                    |        |        | HR664 (Lo-16bits)              |
| HR666            | MEAS2:I"L3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR667            |                    |        |        | HR666 (Lo-16bits)              |
| HR668            | MEAS2:I"L3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR669            |                    |        |        | HR668 (Lo-16bits)              |
| HR670            | MEAS2:I"L3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR671            |                    |        |        | HR670 (Lo-16bits)              |
| HR672            | MEAS2:I"L3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR673            |                    |        |        | HR672 (Lo-16bits)              |
| HR674            | MEAS2:I"01 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR675            |                    |        |        | HR674 (Lo-16bits)              |
| HR676            | MEAS2:I"01 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR677            |                    |        |        | HR676 (Lo-16bits)              |
| HR678            | MEAS2:I"01 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR679            |                    |        |        | HR678 (Lo-16bits)              |
| HR680            | MEAS2:I"01 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR681            |                    |        |        | HR680 (Lo-16bits)              |
| HR682            | MEAS2:I"01 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR683            |                    |        |        | HR682 (Lo-16bits)              |
| HR684            | MEAS2:I"01 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR685            |                    |        |        | HR684 (Lo-16bits)              |
| HR686            | MEAS2:I"01 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR687            |                    |        |        | HR686 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR688            | MEAS2:I"01 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR689            |                    |        |        | HR688 (Lo-16bits)              |
| HR690            | MEAS2:I"01 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR691            |                    |        |        | HR690 (Lo-16bits)              |
| HR692            | MEAS2:I"01 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR693            |                    |        |        | HR692 (Lo-16bits)              |
| HR694            | MEAS2:I"01 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR695            |                    |        |        | HR694 (Lo-16bits)              |
| HR696            | MEAS2:I"01 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR697            |                    |        |        | HR696 (Lo-16bits)              |
| HR698            | MEAS2:I"01 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR699            |                    |        |        | HR698 (Lo-16bits)              |
| HR700            | MEAS2:I"01 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR701            |                    |        |        | HR700 (Lo-16bits)              |
| HR702            | MEAS2:I"01 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR703            |                    |        |        | HR702 (Lo-16bits)              |
| HR704            | MEAS2:I"01 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR705            |                    |        |        | HR704 (Lo-16bits)              |
| HR706            | MEAS2:I"01 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR707            |                    |        |        | HR706 (Lo-16bits)              |
| HR708            | MEAS2:I"01 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR709            |                    |        |        | HR708 (Lo-16bits)              |
| HR710            | MEAS2:I"01 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR711            |                    |        |        | HR710 (Lo-16bits)              |
| HR712            | MEAS2:I"01 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR713            |                    |        |        | HR712 (Lo-16bits)              |
| HR714            | MEAS2:I"01 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR715            |                    |        |        | HR714 (Lo-16bits)              |
| HR716            | MEAS2:I"01 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR717            |                    |        |        | HR716 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR718            | MEAS2:I"01 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR719            |                    |        |        | HR718 (Lo-16bits)              |
| HR720            | MEAS2:I"01 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR721            |                    |        |        | HR720 (Lo-16bits)              |
| HR722            | MEAS2:I"01 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR723            |                    |        |        | HR722 (Lo-16bits)              |
| HR724            | MEAS2:I"01 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR725            |                    |        |        | HR724 (Lo-16bits)              |
| HR726            | MEAS2:I"01 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR727            |                    |        |        | HR726 (Lo-16bits)              |
| HR728            | MEAS2:I"01 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR729            |                    |        |        | HR728 (Lo-16bits)              |
| HR730            | MEAS2:I"01 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR731            |                    |        |        | HR730 (Lo-16bits)              |
| HR732            | MEAS2:I"01 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR733            |                    |        |        | HR732 (Lo-16bits)              |
| HR734            | MEAS2:I"01 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR735            |                    |        |        | HR734 (Lo-16bits)              |
| HR736            | MEAS2:I"02 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR737            |                    |        |        | HR736 (Lo-16bits)              |
| HR738            | MEAS2:I"02 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR739            |                    |        |        | HR738 (Lo-16bits)              |
| HR740            | MEAS2:I"02 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR741            |                    |        |        | HR740 (Lo-16bits)              |
| HR742            | MEAS2:I"02 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR743            |                    |        |        | HR742 (Lo-16bits)              |
| HR744            | MEAS2:I"02 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR745            |                    |        |        | HR744 (Lo-16bits)              |
| HR746            | MEAS2:I"02 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR747            |                    |        |        | HR746 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR748            | MEAS2:I"02 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR749            |                    |        |        | HR748 (Lo-16bits)              |
| HR750            | MEAS2:I"02 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR751            |                    |        |        | HR750 (Lo-16bits)              |
| HR752            | MEAS2:I"02 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR753            |                    |        |        | HR752 (Lo-16bits)              |
| HR754            | MEAS2:I"02 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR755            |                    |        |        | HR754 (Lo-16bits)              |
| HR756            | MEAS2:I"02 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR757            |                    |        |        | HR756 (Lo-16bits)              |
| HR758            | MEAS2:I"02 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR759            |                    |        |        | HR758 (Lo-16bits)              |
| HR760            | MEAS2:I"02 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR761            |                    |        |        | HR760 (Lo-16bits)              |
| HR762            | MEAS2:I"02 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR763            |                    |        |        | HR762 (Lo-16bits)              |
| HR764            | MEAS2:I"02 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR765            |                    |        |        | HR764 (Lo-16bits)              |
| HR766            | MEAS2:I"02 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR767            |                    |        |        | HR766 (Lo-16bits)              |
| HR768            | MEAS2:I"02 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR769            |                    |        |        | HR768 (Lo-16bits)              |
| HR770            | MEAS2:I"02 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR771            |                    |        |        | HR770 (Lo-16bits)              |
| HR772            | MEAS2:I"02 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR773            |                    |        |        | HR772 (Lo-16bits)              |
| HR774            | MEAS2:I"02 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR775            |                    |        |        | HR774 (Lo-16bits)              |
| HR776            | MEAS2:I"02 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR777            |                    |        |        | HR776 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                 |
|------------------|--------------------|--------|--------|---------------------------------|
| HR778            | MEAS2:I"02 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR779            |                    |        |        | HR778 (Lo-16bits)               |
| HR780            | MEAS2:I"02 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR781            |                    |        |        | HR780 (Lo-16bits)               |
| HR782            | MEAS2:I"02 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR783            |                    |        |        | HR782 (Lo-16bits)               |
| HR784            | MEAS2:I"02 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR785            |                    |        |        | HR784 (Lo-16bits)               |
| HR786            | MEAS2:I"02 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR787            |                    |        |        | HR786 (Lo-16bits)               |
| HR788            | MEAS2:I"02 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR789            |                    |        |        | HR788 (Lo-16bits)               |
| HR790            | MEAS2:I"02 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR791            |                    |        |        | HR790 (Lo-16bits)               |
| HR792            | MEAS2:I"02 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR793            |                    |        |        | HR792 (Lo-16bits)               |
| HR794            | MEAS2:I"02 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR795            |                    |        |        | HR794 (Lo-16bits)               |
| HR796            | MEAS2:I"02 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR797            |                    |        |        | HR796 (Lo-16bits)               |
| HR798            | MEAS3:U1Volt pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR799            |                    |        |        | HR798 (Lo-16bits)               |
| HR800            | MEAS3:U1Volt sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR801            |                    |        |        | HR800 (Lo-16bits)               |
| HR802            | MEAS3:U2Volt pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR803            |                    |        |        | HR802 (Lo-16bits)               |
| HR804            | MEAS3:U2Volt sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR805            |                    |        |        | HR804 (Lo-16bits)               |
| HR806            | MEAS3:U3Volt pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR807            |                    |        |        | HR806 (Lo-16bits)               |



| Holding Register | Parameter              | Access | Length |                                 |
|------------------|------------------------|--------|--------|---------------------------------|
| HR808            | MEAS3:U3Volt sec       | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR809            |                        |        |        | HR808 (Lo-16bits)               |
| HR810            | MEAS3:U4Volt pri       | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR811            |                        |        |        | HR810 (Lo-16bits)               |
| HR812            | MEAS3:U4Volt sec       | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR813            |                        |        |        | HR812 (Lo-16bits)               |
| HR814            | MEAS3:U1Volt TRMS pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR815            |                        |        |        | HR814 (Lo-16bits)               |
| HR816            | MEAS3:U1Volt TRMS sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR817            |                        |        |        | HR816 (Lo-16bits)               |
| HR818            | MEAS3:U2Volt TRMS pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR819            |                        |        |        | HR818 (Lo-16bits)               |
| HR820            | MEAS3:U2Volt TRMS sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR821            |                        |        |        | HR820 (Lo-16bits)               |
| HR822            | MEAS3:U3Volt TRMS pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR823            |                        |        |        | HR822 (Lo-16bits)               |
| HR824            | MEAS3:U3Volt TRMS sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR825            |                        |        |        | HR824 (Lo-16bits)               |
| HR826            | MEAS3:U4Volt TRMS pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR827            |                        |        |        | HR826 (Lo-16bits)               |
| HR828            | MEAS3:U4Volt TRMS sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR829            |                        |        |        | HR828 (Lo-16bits)               |
| HR830            | MEAS3:Pos.seq.Volt.pri | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR831            |                        |        |        | HR830 (Lo-16bits)               |
| HR832            | MEAS3:Pos.seq.Volt.sec | R      | 2      | FLOAT [0...480] (Hi-16bits)     |
| HR833            |                        |        |        | HR832 (Lo-16bits)               |
| HR834            | MEAS3:Neg.seq.Volt.pri | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR835            |                        |        |        | HR834 (Lo-16bits)               |
| HR836            | MEAS3:Neg.seq.Volt.sec | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR837            |                        |        |        | HR836 (Lo-16bits)               |

| Holding Register | Parameter                      | Access | Length |                                 |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR838            | MEAS3:Zero.seq.Volt.pri        | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR839            |                                |        |        | HR838 (Lo-16bits)               |
| HR840            | MEAS3:Zero.seq.Volt.sec        | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR841            |                                |        |        | HR840 (Lo-16bits)               |
| HR842            | MEAS3:U0 Calc. pri             | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR843            |                                |        |        | HR842 (Lo-16bits)               |
| HR844            | MEAS3:U0 Calc.Volt sec         | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR845            |                                |        |        | HR844 (Lo-16bits)               |
| HR846            | MEAS3:U1 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR847            |                                |        |        | HR846 (Lo-16bits)               |
| HR848            | MEAS3:U2 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR849            |                                |        |        | HR848 (Lo-16bits)               |
| HR850            | MEAS3:U3 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR851            |                                |        |        | HR850 (Lo-16bits)               |
| HR852            | MEAS3:U4 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR853            |                                |        |        | HR852 (Lo-16bits)               |
| HR854            | MEAS3:Pos.Seq.volt.Angle       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR855            |                                |        |        | HR854 (Lo-16bits)               |
| HR856            | MEAS3:Neg.Seq.volt.Angle       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR857            |                                |        |        | HR856 (Lo-16bits)               |
| HR858            | MEAS3:Zero.Seq.volt.Angle      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR859            |                                |        |        | HR858 (Lo-16bits)               |
| HR860            | MEAS3:System volt UL12 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR861            |                                |        |        | HR860 (Lo-16bits)               |
| HR862            | MEAS3:System volt UL12 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR863            |                                |        |        | HR862 (Lo-16bits)               |
| HR864            | MEAS3:System volt UL12 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR865            |                                |        |        | HR864 (Lo-16bits)               |

| Holding Register | Parameter                      | Access | Length |                                 |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR866            | MEAS3:System volt UL23 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR867            |                                |        |        | HR866 (Lo-16bits)               |
| HR868            | MEAS3:System volt UL23 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR869            |                                |        |        | HR868 (Lo-16bits)               |
| HR870            | MEAS3:System volt UL23 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR871            |                                |        |        | HR870 (Lo-16bits)               |
| HR872            | MEAS3:System volt UL31 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR873            |                                |        |        | HR872 (Lo-16bits)               |
| HR874            | MEAS3:System volt UL31 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR875            |                                |        |        | HR874 (Lo-16bits)               |
| HR876            | MEAS3:System volt UL31 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR877            |                                |        |        | HR876 (Lo-16bits)               |
| HR878            | MEAS3:System volt UL1 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR879            |                                |        |        | HR878 (Lo-16bits)               |
| HR880            | MEAS3:System volt UL1 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR881            |                                |        |        | HR880 (Lo-16bits)               |
| HR882            | MEAS3:System volt UL1 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR883            |                                |        |        | HR882 (Lo-16bits)               |
| HR884            | MEAS3:System volt UL2 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR885            |                                |        |        | HR884 (Lo-16bits)               |
| HR886            | MEAS3:System volt UL2 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR887            |                                |        |        | HR886 (Lo-16bits)               |
| HR888            | MEAS3:System volt UL2 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR889            |                                |        |        | HR888 (Lo-16bits)               |

| Holding Register | Parameter                     | Access | Length |                                 |
|------------------|-------------------------------|--------|--------|---------------------------------|
| HR890            | MEAS3:System volt UL3 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR891            |                               |        |        | HR890 (Lo-16bits)               |
| HR892            | MEAS3:System volt UL3 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR893            |                               |        |        | HR892 (Lo-16bits)               |
| HR894            | MEAS3:System volt UL3 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR895            |                               |        |        | HR894 (Lo-16bits)               |
| HR896            | MEAS3:System volt U0 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR897            |                               |        |        | HR896 (Lo-16bits)               |
| HR898            | MEAS3:System volt U0 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR899            |                               |        |        | HR898 (Lo-16bits)               |
| HR900            | MEAS3:System volt U0 mag(%)   | R      | 2      | FLOAT [0...120] (Hi-16bits)     |
| HR901            |                               |        |        | HR900 (Lo-16bits)               |
| HR902            | MEAS3:System volt U0 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR903            |                               |        |        | HR902 (Lo-16bits)               |
| HR904            | MEAS3:System volt U3 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR905            |                               |        |        | HR904 (Lo-16bits)               |
| HR906            | MEAS3:System volt U3 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR907            |                               |        |        | HR906 (Lo-16bits)               |
| HR908            | MEAS3:System volt U3 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR909            |                               |        |        | HR908 (Lo-16bits)               |
| HR910            | MEAS3:System volt U4 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR911            |                               |        |        | HR910 (Lo-16bits)               |
| HR912            | MEAS3:System volt U4 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR913            |                               |        |        | HR912 (Lo-16bits)               |
| HR914            | MEAS3:System volt U4 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR915            |                                  |        |        | HR914 (Lo-16bits)              |
| HR916            | MEAS3:System volt UL1<br>ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR917            |                                  |        |        | HR916 (Lo-16bits)              |
| HR918            | MEAS3:System volt UL2<br>ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR919            |                                  |        |        | HR918 (Lo-16bits)              |
| HR920            | MEAS3:System volt UL3<br>ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR921            |                                  |        |        | HR920 (Lo-16bits)              |
| HR922            | MEAS3:U1 Fund                    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR923            |                                  |        |        | HR922 (Lo-16bits)              |
| HR924            | MEAS3:U1 2.harm                  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR925            |                                  |        |        | HR924 (Lo-16bits)              |
| HR926            | MEAS3:U1 3.harm                  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR927            |                                  |        |        | HR926 (Lo-16bits)              |
| HR928            | MEAS3:U1 4.harm                  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR929            |                                  |        |        | HR928 (Lo-16bits)              |
| HR930            | MEAS3:U1 5.harm                  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR931            |                                  |        |        | HR930 (Lo-16bits)              |
| HR932            | MEAS3:U1 6.harm                  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR933            |                                  |        |        | HR932 (Lo-16bits)              |
| HR934            | MEAS3:U1 7.harm                  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR935            |                                  |        |        | HR934 (Lo-16bits)              |
| HR936            | MEAS3:U1 8.harm                  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR937            |                                  |        |        | HR936 (Lo-16bits)              |
| HR938            | MEAS3:U1 9.harm                  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR939            |                                  |        |        | HR938 (Lo-16bits)              |
| HR940            | MEAS3:U1 10.harm                 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR941            |                                  |        |        | HR940 (Lo-16bits)              |
| HR942            | MEAS3:U1 11.harm                 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR943            |                                  |        |        | HR942 (Lo-16bits)              |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR944            | MEAS3:U1 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR945            |                  |        |        | HR944 (Lo-16bits)              |
| HR946            | MEAS3:U1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR947            |                  |        |        | HR946 (Lo-16bits)              |
| HR948            | MEAS3:U1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR949            |                  |        |        | HR948 (Lo-16bits)              |
| HR950            | MEAS3:U1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR951            |                  |        |        | HR950 (Lo-16bits)              |
| HR952            | MEAS3:U1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR953            |                  |        |        | HR952 (Lo-16bits)              |
| HR954            | MEAS3:U1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR955            |                  |        |        | HR954 (Lo-16bits)              |
| HR956            | MEAS3:U1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR957            |                  |        |        | HR956 (Lo-16bits)              |
| HR958            | MEAS3:U1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR959            |                  |        |        | HR958 (Lo-16bits)              |
| HR960            | MEAS3:U1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR961            |                  |        |        | HR960 (Lo-16bits)              |
| HR962            | MEAS3:U1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR963            |                  |        |        | HR962 (Lo-16bits)              |
| HR964            | MEAS3:U1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR965            |                  |        |        | HR964 (Lo-16bits)              |
| HR966            | MEAS3:U1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR967            |                  |        |        | HR966 (Lo-16bits)              |
| HR968            | MEAS3:U1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR969            |                  |        |        | HR968 (Lo-16bits)              |
| HR970            | MEAS3:U1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR971            |                  |        |        | HR970 (Lo-16bits)              |
| HR972            | MEAS3:U1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR973            |                  |        |        | HR972 (Lo-16bits)              |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR974            | MEAS3:U1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR975            |                  |        |        | HR974 (Lo-16bits)              |
| HR976            | MEAS3:U1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR977            |                  |        |        | HR976 (Lo-16bits)              |
| HR978            | MEAS3:U1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR979            |                  |        |        | HR978 (Lo-16bits)              |
| HR980            | MEAS3:U1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR981            |                  |        |        | HR980 (Lo-16bits)              |
| HR982            | MEAS3:U1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR983            |                  |        |        | HR982 (Lo-16bits)              |
| HR984            | MEAS3:U2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR985            |                  |        |        | HR984 (Lo-16bits)              |
| HR986            | MEAS3:U2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR987            |                  |        |        | HR986 (Lo-16bits)              |
| HR988            | MEAS3:U2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR989            |                  |        |        | HR988 (Lo-16bits)              |
| HR990            | MEAS3:U2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR991            |                  |        |        | HR990 (Lo-16bits)              |
| HR992            | MEAS3:U2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR993            |                  |        |        | HR992 (Lo-16bits)              |
| HR994            | MEAS3:U2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR995            |                  |        |        | HR994 (Lo-16bits)              |
| HR996            | MEAS3:U2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR997            |                  |        |        | HR996 (Lo-16bits)              |
| HR998            | MEAS3:U2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR999            |                  |        |        | HR998 (Lo-16bits)              |
| HR1000           | MEAS3:U2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1001           |                  |        |        | HR1000 (Lo-16bits)             |
| HR1002           | MEAS3:U2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1003           |                  |        |        | HR1002 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1004           | MEAS3:U2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1005           |                  |        |        | HR1004 (Lo-16bits)             |
| HR1006           | MEAS3:U2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1007           |                  |        |        | HR1006 (Lo-16bits)             |
| HR1008           | MEAS3:U2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1009           |                  |        |        | HR1008 (Lo-16bits)             |
| HR1010           | MEAS3:U2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1011           |                  |        |        | HR1010 (Lo-16bits)             |
| HR1012           | MEAS3:U2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1013           |                  |        |        | HR1012 (Lo-16bits)             |
| HR1014           | MEAS3:U2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1015           |                  |        |        | HR1014 (Lo-16bits)             |
| HR1016           | MEAS3:U2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1017           |                  |        |        | HR1016 (Lo-16bits)             |
| HR1018           | MEAS3:U2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1019           |                  |        |        | HR1018 (Lo-16bits)             |
| HR1020           | MEAS3:U2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1021           |                  |        |        | HR1020 (Lo-16bits)             |
| HR1022           | MEAS3:U2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1023           |                  |        |        | HR1022 (Lo-16bits)             |
| HR1024           | MEAS3:U2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1025           |                  |        |        | HR1024 (Lo-16bits)             |
| HR1026           | MEAS3:U2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1027           |                  |        |        | HR1026 (Lo-16bits)             |
| HR1028           | MEAS3:U2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1029           |                  |        |        | HR1028 (Lo-16bits)             |
| HR1030           | MEAS3:U2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1031           |                  |        |        | HR1030 (Lo-16bits)             |
| HR1032           | MEAS3:U2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1033           |                  |        |        | HR1032 (Lo-16bits)             |



| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1034           | MEAS3:U2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1035           |                  |        |        | HR1034 (Lo-16bits)             |
| HR1036           | MEAS3:U2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1037           |                  |        |        | HR1036 (Lo-16bits)             |
| HR1038           | MEAS3:U2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1039           |                  |        |        | HR1038 (Lo-16bits)             |
| HR1040           | MEAS3:U2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1041           |                  |        |        | HR1040 (Lo-16bits)             |
| HR1042           | MEAS3:U2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1043           |                  |        |        | HR1042 (Lo-16bits)             |
| HR1044           | MEAS3:U2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1045           |                  |        |        | HR1044 (Lo-16bits)             |
| HR1046           | MEAS3:U3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1047           |                  |        |        | HR1046 (Lo-16bits)             |
| HR1048           | MEAS3:U3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1049           |                  |        |        | HR1048 (Lo-16bits)             |
| HR1050           | MEAS3:U3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1051           |                  |        |        | HR1050 (Lo-16bits)             |
| HR1052           | MEAS3:U3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1053           |                  |        |        | HR1052 (Lo-16bits)             |
| HR1054           | MEAS3:U3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1055           |                  |        |        | HR1054 (Lo-16bits)             |
| HR1056           | MEAS3:U3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1057           |                  |        |        | HR1056 (Lo-16bits)             |
| HR1058           | MEAS3:U3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1059           |                  |        |        | HR1058 (Lo-16bits)             |
| HR1060           | MEAS3:U3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1061           |                  |        |        | HR1060 (Lo-16bits)             |
| HR1062           | MEAS3:U3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1063           |                  |        |        | HR1062 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1064           | MEAS3:U3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1065           |                  |        |        | HR1064 (Lo-16bits)             |
| HR1066           | MEAS3:U3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1067           |                  |        |        | HR1066 (Lo-16bits)             |
| HR1068           | MEAS3:U3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1069           |                  |        |        | HR1068 (Lo-16bits)             |
| HR1070           | MEAS3:U3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1071           |                  |        |        | HR1070 (Lo-16bits)             |
| HR1072           | MEAS3:U3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1073           |                  |        |        | HR1072 (Lo-16bits)             |
| HR1074           | MEAS3:U3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1075           |                  |        |        | HR1074 (Lo-16bits)             |
| HR1076           | MEAS3:U3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1077           |                  |        |        | HR1076 (Lo-16bits)             |
| HR1078           | MEAS3:U3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1079           |                  |        |        | HR1078 (Lo-16bits)             |
| HR1080           | MEAS3:U3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1081           |                  |        |        | HR1080 (Lo-16bits)             |
| HR1082           | MEAS3:U3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1083           |                  |        |        | HR1082 (Lo-16bits)             |
| HR1084           | MEAS3:U3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1085           |                  |        |        | HR1084 (Lo-16bits)             |
| HR1086           | MEAS3:U3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1087           |                  |        |        | HR1086 (Lo-16bits)             |
| HR1088           | MEAS3:U3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1089           |                  |        |        | HR1088 (Lo-16bits)             |
| HR1090           | MEAS3:U3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1091           |                  |        |        | HR1090 (Lo-16bits)             |
| HR1092           | MEAS3:U3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1093           |                  |        |        | HR1092 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1094           | MEAS3:U3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1095           |                  |        |        | HR1094 (Lo-16bits)             |
| HR1096           | MEAS3:U3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1097           |                  |        |        | HR1096 (Lo-16bits)             |
| HR1098           | MEAS3:U3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1099           |                  |        |        | HR1098 (Lo-16bits)             |
| HR1100           | MEAS3:U3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1101           |                  |        |        | HR1100 (Lo-16bits)             |
| HR1102           | MEAS3:U3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1103           |                  |        |        | HR1102 (Lo-16bits)             |
| HR1104           | MEAS3:U3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1105           |                  |        |        | HR1104 (Lo-16bits)             |
| HR1106           | MEAS3:U3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1107           |                  |        |        | HR1106 (Lo-16bits)             |
| HR1108           | MEAS3:U4 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1109           |                  |        |        | HR1108 (Lo-16bits)             |
| HR1110           | MEAS3:U4 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1111           |                  |        |        | HR1110 (Lo-16bits)             |
| HR1112           | MEAS3:U4 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1113           |                  |        |        | HR1112 (Lo-16bits)             |
| HR1114           | MEAS3:U4 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1115           |                  |        |        | HR1114 (Lo-16bits)             |
| HR1116           | MEAS3:U4 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1117           |                  |        |        | HR1116 (Lo-16bits)             |
| HR1118           | MEAS3:U4 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1119           |                  |        |        | HR1118 (Lo-16bits)             |
| HR1120           | MEAS3:U4 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1121           |                  |        |        | HR1120 (Lo-16bits)             |
| HR1122           | MEAS3:U4 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1123           |                  |        |        | HR1122 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1124           | MEAS3:U4 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1125           |                  |        |        | HR1124 (Lo-16bits)             |
| HR1126           | MEAS3:U4 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1127           |                  |        |        | HR1126 (Lo-16bits)             |
| HR1128           | MEAS3:U4 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1129           |                  |        |        | HR1128 (Lo-16bits)             |
| HR1130           | MEAS3:U4 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1131           |                  |        |        | HR1130 (Lo-16bits)             |
| HR1132           | MEAS3:U4 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1133           |                  |        |        | HR1132 (Lo-16bits)             |
| HR1134           | MEAS3:U4 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1135           |                  |        |        | HR1134 (Lo-16bits)             |
| HR1136           | MEAS3:U4 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1137           |                  |        |        | HR1136 (Lo-16bits)             |
| HR1138           | MEAS3:U4 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1139           |                  |        |        | HR1138 (Lo-16bits)             |
| HR1140           | MEAS3:U4 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1141           |                  |        |        | HR1140 (Lo-16bits)             |
| HR1142           | MEAS3:U4 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1143           |                  |        |        | HR1142 (Lo-16bits)             |
| HR1144           | MEAS3:U4 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1145           |                  |        |        | HR1144 (Lo-16bits)             |
| HR1146           | MEAS3:U4 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1147           |                  |        |        | HR1146 (Lo-16bits)             |
| HR1148           | MEAS3:U4 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1149           |                  |        |        | HR1148 (Lo-16bits)             |
| HR1150           | MEAS3:U4 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1151           |                  |        |        | HR1150 (Lo-16bits)             |
| HR1152           | MEAS3:U4 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1153           |                  |        |        | HR1152 (Lo-16bits)             |

| Holding Register | Parameter                                        | Access | Length |                                              |
|------------------|--------------------------------------------------|--------|--------|----------------------------------------------|
| HR1154           | MEAS3:U4 24.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1155           |                                                  |        |        | HR1154 (Lo-16bits)                           |
| HR1156           | MEAS3:U4 25.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1157           |                                                  |        |        | HR1156 (Lo-16bits)                           |
| HR1158           | MEAS3:U4 26.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1159           |                                                  |        |        | HR1158 (Lo-16bits)                           |
| HR1160           | MEAS3:U4 27.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1161           |                                                  |        |        | HR1160 (Lo-16bits)                           |
| HR1162           | MEAS3:U4 28.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1163           |                                                  |        |        | HR1162 (Lo-16bits)                           |
| HR1164           | MEAS3:U4 29.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1165           |                                                  |        |        | HR1164 (Lo-16bits)                           |
| HR1166           | MEAS3:U4 30.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1167           |                                                  |        |        | HR1166 (Lo-16bits)                           |
| HR1168           | MEAS3:U4 31.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1169           |                                                  |        |        | HR1168 (Lo-16bits)                           |
| HR1170           | POW1:Export Active Energy (P) MWh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1171           |                                                  |        |        | HR1170 (Lo-16bits)                           |
| HR1172           | POW1:Export Active Energy (P) kWh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1173           |                                                  |        |        | HR1172 (Lo-16bits)                           |
| HR1174           | POW1:Import Active Energy (P) MWh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1175           |                                                  |        |        | HR1174 (Lo-16bits)                           |
| HR1176           | POW1:Import Active Energy (P) kWh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1177           |                                                  |        |        | HR1176 (Lo-16bits)                           |
| HR1178           | POW1:Active Energy (P) Export/Import balance MWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1179           |                                                  |        |        | HR1178 (Lo-16bits)                           |
| HR1180           | POW1:Active Energy (P) Export/Import balance kWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |

| Holding Register | Parameter                                               | Access | Length |                                              |
|------------------|---------------------------------------------------------|--------|--------|----------------------------------------------|
| HR1181           |                                                         |        |        | HR1180 (Lo-16bits)                           |
| HR1182           | POW1:Imported (Q) while Export (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1183           |                                                         |        |        | HR1182 (Lo-16bits)                           |
| HR1184           | POW1:Imported (Q) while Export (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1185           |                                                         |        |        | HR1184 (Lo-16bits)                           |
| HR1186           | POW1:Imported (Q) while Import (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1187           |                                                         |        |        | HR1186 (Lo-16bits)                           |
| HR1188           | POW1:Imported (Q) while Import (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1189           |                                                         |        |        | HR1188 (Lo-16bits)                           |
| HR1190           | POW1:Reactive Energy (Q) balance while Import (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1191           |                                                         |        |        | HR1190 (Lo-16bits)                           |
| HR1192           | POW1:Reactive Energy (Q) balance while Import (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1193           |                                                         |        |        | HR1192 (Lo-16bits)                           |
| HR1194           | POW1:Exported (Q) while Export (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1195           |                                                         |        |        | HR1194 (Lo-16bits)                           |
| HR1196           | POW1:Exported (Q) while Export (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1197           |                                                         |        |        | HR1196 (Lo-16bits)                           |
| HR1198           | POW1:Exported (Q) while Import (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1199           |                                                         |        |        | HR1198 (Lo-16bits)                           |
| HR1200           | POW1:Exported (Q) while Import (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1201           |                                                         |        |        | HR1200 (Lo-16bits)                           |
| HR1202           | POW1:Reactive Energy (Q) balance while Export (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1203           |                                                         |        |        | HR1202 (Lo-16bits)                           |

| Holding Register | Parameter                                               | Access | Length |                                              |
|------------------|---------------------------------------------------------|--------|--------|----------------------------------------------|
| HR1204           | POW1:Reactive Energy (Q) balance while Export (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1205           |                                                         |        |        | HR1204 (Lo-16bits)                           |
| HR1206           | POW1:Reset 3ph Energies                                 | RW     | 1      | 0=-;1=Reset                                  |
| HR1207           | POW1:POW1 3PH Apparent power (S)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1208           |                                                         |        |        | HR1207 (Lo-16bits)                           |
| HR1209           | POW1:POW1 3PH Apparent power (S MVA)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1210           |                                                         |        |        | HR1209 (Lo-16bits)                           |
| HR1211           | POW1:POW1 3PH Active power (P)                          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1212           |                                                         |        |        | HR1211 (Lo-16bits)                           |
| HR1213           | POW1:POW1 3PH Active power (P MW)                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1214           |                                                         |        |        | HR1213 (Lo-16bits)                           |
| HR1215           | POW1:POW1 3PH Reactive power (Q)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1216           |                                                         |        |        | HR1215 (Lo-16bits)                           |
| HR1217           | POW1:POW1 3PH Reactive power (QMVar)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1218           |                                                         |        |        | HR1217 (Lo-16bits)                           |
| HR1219           | POW1:POW1 3PH Tan(phi)                                  | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1220           |                                                         |        |        | HR1219 (Lo-16bits)                           |
| HR1221           | POW1:POW1 3PH Cos(phi)                                  | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1222           |                                                         |        |        | HR1221 (Lo-16bits)                           |
| HR1223           | FLTREG:Recorded fault value                             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1224           |                                                         |        |        | HR1223 (Lo-16bits)                           |
| HR1225           | FLTREG:Recorded fault value                             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1226           |                                                         |        |        | HR1225 (Lo-16bits)                           |
| HR1227           | FLTREG:Recorded fault value                             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1228           |                                                         |        |        | HR1227 (Lo-16bits)                           |

| Holding Register | Parameter                                                         | Access | Length |                                                                      |
|------------------|-------------------------------------------------------------------|--------|--------|----------------------------------------------------------------------|
| HR1229           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1230           |                                                                   |        |        | HR1229 (Lo-16bits)                                                   |
| HR1231           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1232           |                                                                   |        |        | HR1231 (Lo-16bits)                                                   |
| HR1233           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1234           |                                                                   |        |        | HR1233 (Lo-16bits)                                                   |
| HR1235           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1236           |                                                                   |        |        | HR1235 (Lo-16bits)                                                   |
| HR1237           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1238           |                                                                   |        |        | HR1237 (Lo-16bits)                                                   |
| HR1239           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1240           |                                                                   |        |        | HR1239 (Lo-16bits)                                                   |
| HR1241           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1242           |                                                                   |        |        | HR1241 (Lo-16bits)                                                   |
| HR1243           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1244           |                                                                   |        |        | HR1243 (Lo-16bits)                                                   |
| HR1245           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1246           |                                                                   |        |        | HR1245 (Lo-16bits)                                                   |
| HR1247           | FREQS:f atm. Protections (when not measurable returns to nominal) | R      | 2      | FLOAT [0...75] (Hi-16bits)                                           |
| HR1248           |                                                                   |        |        | HR1247 (Lo-16bits)                                                   |
| HR1249           | DIGI:Dis 1-32                                                     | R      | 2      | 0b=DI1;1b=DI2;2b=DI3;3b=DI4;4b=DI5;5b=DI6;6b=DI7;7b=DI8; (Hi-16bits) |
| HR1250           |                                                                   |        |        | HR1249 (Lo-16bits)                                                   |
| HR1251           | DIGI:Dis 33-64                                                    | R      | 2      | 0b=DI33;1b=DI34;2b=DI35;3b=DI36;4b=DI37;5b=DI38;6b=DI39              |
| HR1252           |                                                                   |        |        | HR1251 (Lo-16bits)                                                   |



| Holding Register | Parameter                | Access | Length |                                                                      |
|------------------|--------------------------|--------|--------|----------------------------------------------------------------------|
| HR1253           | RELE:Outputs status      | R      | 2      | 0b=O1;1b=O2;2b=O3;3b=O4;4b=O5;5b=O6;6b=O7;7b=O8;8b=O9                |
| HR1254           |                          |        |        | HR1253 (Lo-16bits)                                                   |
| HR1255           | SGS:Active setting group | R      | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8                      |
| HR1256           | SGS:Force SG             | RW     | 1      | 0=none;1=SG1;2=SG2;3=SG3;4=SG4;5=SG5;6=SG6;7=SG7;8=SG8               |
| HR1257           | SGS:Force SG change      | RW     | 1      | 0=Disabled;1=Enabled                                                 |
| HR1258           | SGS:Used setting groups  | RW     | 1      | 0=SG1;1=SG1...2;2=SG1...3;3=SG1...4;4=SG1...5;5=SG1...6;6=SG1...7    |
| HR1259           | SGS:Remote SG change     | RW     | 1      | 0=none;1=SG1;2=SG2;3=SG3;4=SG4;5=SG5;6=SG6;7=SG7;8=SG8               |
| HR1260           | LOGIC:Reset Latches      | RW     | 1      | 0=-;1=Reset                                                          |
| HR1261           | NOC1:I> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1262           | NOC2:I>> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1263           | NOC3:I>>> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1264           | NOC4:I>>>> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1265           | DOC1:I<dir> condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1266           | DOC2:I<dir>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1267           | DOC3:I<dir>>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1268           | DOC4:I<dir>>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1269           | NEF1:I0> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1270           | NEF1:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F                  |
| HR1271           | NEF2:I0>> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1272           | NEF2:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F                  |
| HR1273           | NEF3:I0>>> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1274           | NEF3:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F                  |
| HR1275           | NEF4:I0>>>> condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                    |
| HR1276           | NEF4:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F                  |
| HR1277           | DEF1:I0<dir> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unearthed Trip |
| HR1278           | DEF1:U0> Measuring now   | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input                        |
| HR1279           | DEF1:I0 Direction now    | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                                     |
| HR1280           | DEF2:I0<dir>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unearthed Trip |
| HR1281           | DEF2:U0>> Measuring now  | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input                        |
| HR1282           | DEF2:I0 Direction now    | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                                     |

| Holding Register | Parameter                 | Access | Length |                                                                 |
|------------------|---------------------------|--------|--------|-----------------------------------------------------------------|
| HR1283           | DEF3:I0dir>>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unearthed |
| HR1284           | DEF3:U0>>> Measuring now  | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input                   |
| HR1285           | DEF3:I0 Direction now     | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                                |
| HR1286           | DEF4:I0dir>>>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unearthed |
| HR1287           | DEF4:U0>>>> Measuring now | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input                   |
| HR1288           | DEF4:I0 Direction now     | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                                |
| HR1289           | IEF1:I0Int> condition     | R      | 1      | 0=Normal;1=StartFWD;2=StartREV;3=Trip;4=Blocked;                |
| HR1290           | IEF1:U0> Measuring now    | R      | 1      | 0=No U0 avail!;1=U3 Input;2=U4 Input                            |
| HR1291           | CUB1:I2> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1292           | CUB2:I2>> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1293           | CUB3:I2>>> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1294           | CUB4:I2>>>> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1295           | HOC1:Ih> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1296           | HOC1:L1 Harm p.u.         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1297           |                           |        |        | HR1296 (Lo-16bits)                                              |
| HR1298           | HOC1:L1 Harm per          | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1299           |                           |        |        | HR1298 (Lo-16bits)                                              |
| HR1300           | HOC1:L2 Harm p.u.         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1301           |                           |        |        | HR1300 (Lo-16bits)                                              |
| HR1302           | HOC1:L2 Harm per          | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1303           |                           |        |        | HR1302 (Lo-16bits)                                              |
| HR1304           | HOC1:L3 Harm p.u.         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1305           |                           |        |        | HR1304 (Lo-16bits)                                              |
| HR1306           | HOC1:L3 Harm per          | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1307           |                           |        |        | HR1306 (Lo-16bits)                                              |
| HR1308           | HOC1:I01 Harm p.u.        | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1309           |                           |        |        | HR1308 (Lo-16bits)                                              |
| HR1310           | HOC1:I01 Harm per         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1311           |                           |        |        | HR1310 (Lo-16bits)                                              |

| Holding Register | Parameter            | Access | Length |                                   |
|------------------|----------------------|--------|--------|-----------------------------------|
| HR1312           | HOC1:I02 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1313           |                      |        |        | HR1312 (Lo-16bits)                |
| HR1314           | HOC1:I02 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1315           |                      |        |        | HR1314 (Lo-16bits)                |
| HR1316           | HOC2:Ih>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1317           | HOC2:L1 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1318           |                      |        |        | HR1317 (Lo-16bits)                |
| HR1319           | HOC2:L1 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1320           |                      |        |        | HR1319 (Lo-16bits)                |
| HR1321           | HOC2:L2 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1322           |                      |        |        | HR1321 (Lo-16bits)                |
| HR1323           | HOC2:L2 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1324           |                      |        |        | HR1323 (Lo-16bits)                |
| HR1325           | HOC2:L3 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1326           |                      |        |        | HR1325 (Lo-16bits)                |
| HR1327           | HOC2:L3 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1328           |                      |        |        | HR1327 (Lo-16bits)                |
| HR1329           | HOC2:I01 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1330           |                      |        |        | HR1329 (Lo-16bits)                |
| HR1331           | HOC2:I01 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1332           |                      |        |        | HR1331 (Lo-16bits)                |
| HR1333           | HOC2:I02 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1334           |                      |        |        | HR1333 (Lo-16bits)                |
| HR1335           | HOC2:I02 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1336           |                      |        |        | HR1335 (Lo-16bits)                |
| HR1337           | HOC3:Ih>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1338           | HOC3:L1 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1339           |                      |        |        | HR1338 (Lo-16bits)                |
| HR1340           | HOC3:L1 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1341           |                      |        |        | HR1340 (Lo-16bits)                |

| Holding Register | Parameter             | Access | Length |                                   |
|------------------|-----------------------|--------|--------|-----------------------------------|
| HR1342           | HOC3:L2 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1343           |                       |        |        | HR1342 (Lo-16bits)                |
| HR1344           | HOC3:L2 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1345           |                       |        |        | HR1344 (Lo-16bits)                |
| HR1346           | HOC3:L3 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1347           |                       |        |        | HR1346 (Lo-16bits)                |
| HR1348           | HOC3:L3 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1349           |                       |        |        | HR1348 (Lo-16bits)                |
| HR1350           | HOC3:I01 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1351           |                       |        |        | HR1350 (Lo-16bits)                |
| HR1352           | HOC3:I01 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1353           |                       |        |        | HR1352 (Lo-16bits)                |
| HR1354           | HOC3:I02 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1355           |                       |        |        | HR1354 (Lo-16bits)                |
| HR1356           | HOC3:I02 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1357           |                       |        |        | HR1356 (Lo-16bits)                |
| HR1358           | HOC4:Ih>>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1359           | HOC4:L1 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1360           |                       |        |        | HR1359 (Lo-16bits)                |
| HR1361           | HOC4:L1 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1362           |                       |        |        | HR1361 (Lo-16bits)                |
| HR1363           | HOC4:L2 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1364           |                       |        |        | HR1363 (Lo-16bits)                |
| HR1365           | HOC4:L2 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1366           |                       |        |        | HR1365 (Lo-16bits)                |
| HR1367           | HOC4:L3 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1368           |                       |        |        | HR1367 (Lo-16bits)                |
| HR1369           | HOC4:L3 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1370           |                       |        |        | HR1369 (Lo-16bits)                |
| HR1371           | HOC4:I01 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |

| Holding Register | Parameter                           | Access | Length |                                                                |
|------------------|-------------------------------------|--------|--------|----------------------------------------------------------------|
| HR1372           |                                     |        |        | HR1371 (Lo-16bits)                                             |
| HR1373           | HOC4:I01 Harm per                   | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                 |
| HR1374           |                                     |        |        | HR1373 (Lo-16bits)                                             |
| HR1375           | HOC4:I02 Harm p.u.                  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                 |
| HR1376           |                                     |        |        | HR1375 (Lo-16bits)                                             |
| HR1377           | HOC4:I02 Harm per                   | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                 |
| HR1378           |                                     |        |        | HR1377 (Lo-16bits)                                             |
| HR1379           | CLP1:CLP condition                  | R      | 1      | 0=Normal;1=Curr low;2=Overcurrent On;3=CLPU On;4=CLPU b        |
| HR1380           | CBF1:CBFP condition                 | R      | 1      | 0=Normal;1=Start;2=ReTrip;3=CBFP On;4=Blocked                  |
| HR1381           | TRF1:Transformer is now             | R      | 1      | 0=No/LightLoad;1=Energizing;2=Normal load;3=Overloaded;4=C     |
| HR1382           | DIF1:Id< condition                  | R      | 2      | 0b=Idb> Trip;1b=Idb> Blocked;2b=Idi> Trip;3b=Idi> Blocked;4b=2 |
| HR1383           |                                     |        |        | HR1382 (Lo-16bits)                                             |
| HR1384           | DIF1:L1 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1385           | DIF1:L2 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1386           | DIF1:L3 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1387           | REF1:I0d> condition                 | R      | 1      | 0=Normal;1=Trip;2=Blocked                                      |
| HR1388           | TOLT1:TT> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1389           | TOLT1:Thermal status                | R      | 1      | 0=Light / No load;1=High overload;2=Overloading;3=Load norma   |
| HR1390           | TOLT1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                        |
| HR1391           | TOLT1:Ambient Temp Sel              | RW     | 1      | 0=Manual Set;1=RTD Meas                                        |
| HR1392           | TOLT1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                 |
| HR1393           | TOLF1:TF> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1394           | TOLF1:Thermal status                | R      | 1      | 0=Light / No load;1=High overload;2=Overloading;3=Load norma   |
| HR1395           | TOLF1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                        |
| HR1396           | TOLF1:Ambient Temp Sel              | RW     | 1      | 0=Manual Set;1=RTD Meas                                        |
| HR1397           | TOLF1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                 |
| HR1398           | TOLF1:Set or Estimate tau (t const) | RW     | 1      | 0=Set;1=Estimate                                               |
| HR1399           | MST1:Motor is now                   | R      | 1      | 0=Stopped;1=Starting;2=Running;3=Stalled                       |
| HR1400           | TOLM1:TM> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1401           | TOLM1:Motor status                  | R      | 1      | 0=Stopped;1=Stalled;2=JustStopped;3=Overloading;4=Running      |

| Holding Register | Parameter                           | Access | Length |                                                          |
|------------------|-------------------------------------|--------|--------|----------------------------------------------------------|
| HR1402           | TOLM1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                  |
| HR1403           | TOLM1:NPS Biasing in use            | RW     | 1      | 0=No NPS biasing;1=NPS Biasing in use                    |
| HR1404           | TOLM1:Time constants                | RW     | 1      | 0=Single;1=Multiple                                      |
| HR1405           | TOLM1:Estimate Short TC and timings | RW     | 1      | 0=Set manually;1=Estimate (on-line)                      |
| HR1406           | TOLM1:T const dyn. balancing        | RW     | 1      | 0=Fixed;1=Dynamic                                        |
| HR1407           | TOLM1:Dev.Temp (tmax)               | RW     | 1      | 0=A;1=B;2=F;3=H;4=Manual set                             |
| HR1408           | TOLM1:Amb. T Selection              | RW     | 1      | 0=Manual set;1=RTD                                       |
| HR1409           | TOLM1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                           |
| HR1410           | LCR1:ISt> condition                 | R      | 1      | 0=Normal;1=Start; 2=Set time Trip;3=M cap Trip;4=Blocked |
| HR1411           | FSP1:N> condition                   | R      | 1      | 0=Normal;1=Alarm On;2=Inhibits;3=Blocked                 |
| HR1412           | NUC1:I< condition                   | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                      |
| HR1413           | MJP1:Im> condition                  | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                      |
| HR1414           | OV1:U> condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1415           | OV2:U>> condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1416           | OV3:U>>> condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1417           | OV4:U>>>> condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1418           | UV1:U< condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1419           | UV2:U<< condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1420           | UV3:U<<< condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1421           | UV4:U<<<< condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1422           | NOV1:U0> condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1423           | NOV1:U0> Measuring now              | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1424           | NOV2:U0>> condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1425           | NOV2:U0>> Measuring now             | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1426           | NOV3:U0>>> condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1427           | NOV3:U0>>> Measuring now            | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1428           | NOV4:U0>>>> condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1429           | NOV4:U0>>>> Measuring now           | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |

| Holding Register | Parameter                     | Access | Length |                                   |
|------------------|-------------------------------|--------|--------|-----------------------------------|
| HR1430           | VUB1:U1/2 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1431           | VUB2:U1/2 >>/<< condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1432           | VUB3:U1/2 >>>/<<< condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1433           | VUB4:U1/2 >>>>/<<<< condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1434           | FRQC1:f> [Curr] condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1435           | FRQC1:f>> [Curr] condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1436           | FRQC1:f>>> [Curr] condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1437           | FRQC1:f>>>> [Curr] condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1438           | FRQC1:f< [Curr] condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1439           | FRQC1:f<< [Curr] condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1440           | FRQC1:f<<< [Curr] condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1441           | FRQC1:f<<<< [Curr] condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1442           | FRQV1:f> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1443           | FRQV1:f>> condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1444           | FRQV1:f>>> condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1445           | FRQV1:f>>>> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1446           | FRQV1:f< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1447           | FRQV1:f<< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1448           | FRQV1:f<<< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1449           | FRQV1:f<<<< condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1450           | DFT1:df/dt >/< (1) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1451           | DFT1:df/dt >/< (2) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1452           | DFT1:df/dt >/< (3) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1453           | DFT1:df/dt >/< (4) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1454           | DFT1:df/dt >/< (5) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1455           | DFT1:df/dt >/< (6) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1456           | DFT1:df/dt >/< (7) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |

| Holding Register | Parameter                    | Access | Length |                                                              |
|------------------|------------------------------|--------|--------|--------------------------------------------------------------|
| HR1457           | DFT1:df/dt >/< (8) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1458           | GST1:Generator is now        | R      | 1      | 0=No/LightLoad;1=Normal load;2=Overloaded;3=On high overloa  |
| HR1459           | OPW1:P> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1460           | UPW1:P< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1461           | RPW1:Prev> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1462           | SEF1:U03rd< condition        | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1463           | SEF1:U03rd< Measuring now    | R      | 1      | 0=No U0 avail!;1=U3 Input;2=U4 Input                         |
| HR1464           | UEX1:Q< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1465           | UIM1:Z< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1466           | VOC1:lv> condition           | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1467           | VOC1:Voltage measurement     | R      | 1      | 0=Invalid U1 not avail.;1=Ok                                 |
| HR1468           | VHZ1:V/Hz(1) > condition     | R      | 1      | 0=Normal;1=VHz(1) Blocked;2=VHz(1) Start;3=VHz(1) Alarm;4=   |
| HR1469           | UPF1:PF< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Alarm Start;5=Alarm      |
| HR1470           | ARC1:I/I0 Arc> condition     | R      | 1      | 0b=Z1 Trip;1b=Z1 Blocked;2b=Z2 Trip;3b=Z2 Blocked;4b=Z3 Trip |
| HR1471           | CTS1:CTS1 condition          | R      | 1      | 0=Normal;1=Alarm;2=Blocked                                   |
| HR1472           | CTS2:CTS2 condition          | R      | 1      | 0=Normal;1=Alarm;2=Blocked                                   |
| HR1473           | VTs1:VTS condition           | R      | 1      | 0=Normal;1=Start;2=VTBusfail;3=VTLinefail;4=Blocked          |
| HR1474           | VTS1:Bus voltages            | R      | 1      | 0=Bus dead;1=Bus Live VTS Ok SEQ Ok;2=Bus Live VTS Ok SE     |
| HR1475           | FLX1:Fault locator condition | R      | 1      | 0=Idle;1=Triggered;2=Calc ready                              |
| HR1476           | THD1:THD condition           | R      | 1      | 0=Normal;1=Start;2=Alarm;3=Blocked                           |
| HR1477           | CBW1:CBW condition           | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On                             |
| HR1478           | NJK1:U0> RECL condition      | R      | 1      | 0=Normal;1=Requested;2=Blocked;3=Active;4=BK clo cmd;5=BK    |
| HR1479           | SOF1:SOTF condition          | R      | 1      | 0=Normal;1=Init;2=Active;3=Trip;4=Blocked                    |
| HR1480           | SYN1:SYN1 Condition          | R      | 2      | 0b=SYN1 Blocked;1b=SYN1 Ok;2b=SYN1 Bypass;3b=SYN1 Vco        |
| HR1481           |                              |        |        | HR1480 (Lo-16bits)                                           |
| HR1482           | SYN1:SYN2 Condition          | R      | 2      | 0b=SYN2 Blocked;1b=SYN2 Ok;2b=SYN2 Bypass;3b=SYN2 Vco        |
| HR1483           |                              |        |        | HR1482 (Lo-16bits)                                           |
| HR1484           | SYN1:SYN3 Condition          | R      | 2      | 0b=SYN3 Blocked;1b=SYN3 Ok;2b=SYN3 Bypass;3b=SYN3 Vco        |
| HR1485           |                              |        |        | HR1484 (Lo-16bits)                                           |



| Holding Register | Parameter                             | Access | Length |                                                                                                                               |
|------------------|---------------------------------------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------|
| HR1486           | OBJ1:Object1 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1487           | OBJ2:Object2 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1488           | OBJ3:Object3 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1489           | OBJ4:Object4 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1490           | OBJ5:Object5 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1491           | CIN1:Ind.1 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1492           | CIN2:Ind.2 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1493           | CIN3:Ind.3 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1494           | CIN4:Ind.4 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1495           | CIN5:Ind.5 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1496           | AR1:AR Status                         | R      | 2      | 0b=AR is inhibit;1b=AR is ready;2b=AR is locked;3b=AR is running;4b=AR Requested;14b=AR4 Requested;15b=AR5 Requested;16b=Exec |
| HR1497           |                                       |        |        | HR1496 (Lo-16bits)                                                                                                            |
| HR1498           | AR1:Timer active                      | R      | 1      | 0=-;1=AR Lockout;2=AR Reset Reclaim;3=AR Start Delay;4=AR                                                                     |
| HR1499           | VRG1:Vreg settings condition          | R      | 2      | 0b=U>> set too low;1b=U< set too high;2b=U> set higher than U                                                                 |
| HR1500           |                                       |        |        | HR1499 (Lo-16bits)                                                                                                            |
| HR1501           | VRG1:Vreg condition                   | R      | 2      | 0b=Raise command on;1b=Lower command on;2b=Operation bl                                                                       |
| HR1502           |                                       |        |        | HR1501 (Lo-16bits)                                                                                                            |
| HR1503           | VRG1:Vreg timer active                | R      | 1      | 0=-;1=Fine tune Decrease;2=Fine tune Increase;3=Low set Decre                                                                 |
| HR1504           | VRG1:Voltage meas condition           | R      | 1      | 0=Not configured;1=System U12;2=System U23;3=System U31;                                                                      |
| HR1505           | EMON1:I> (50) Monitor condition       | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1506           | EMON1:I0> (50N) Monitor condition     | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1507           | EMON1:I0dir> (67) Monitor condition   | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1508           | EMON1:I0dir> (67N) Monitor condition  | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1509           | EMON1:I0Int> (67NT) Monitor condition | R      | 1      | 0=Normal;1=FLT FW;2=FLT REV                                                                                                   |

| Holding Register | Parameter                         | Access | Length |                                                         |
|------------------|-----------------------------------|--------|--------|---------------------------------------------------------|
| HR1510           | EMON1:U< (27) Monitor condition   | R      | 1      | 0=Normal;1=Undervoltage;2=No voltage                    |
| HR1511           | EMON1:U0> (59N) Monitor condition | R      | 1      | 0=Normal;1=FLT detected                                 |
| HR1512           | EMON1:FL (21FL) Monitor condition | R      | 1      | 0=Normal;1=FLT detected                                 |
| HR1513           | MEAS1:Meas1 IL ang. Ref           | R      | 2      | FLOAT [-360...360] (Hi-16bits)                          |
| HR1514           |                                   |        |        | HR1513 (Lo-16bits)                                      |
| HR1515           | DIF1:REFHV> condition             | R      | 2      | 0b=HV REF Blocked;1b=HV REF Trip (Hi-16bits)            |
| HR1516           |                                   |        |        | HR1515 (Lo-16bits)                                      |
| HR1517           | DIF1:REFLV> condition             | R      | 2      | 0b=LV REF Blocked;1b=LV REF Trip (Hi-16bits)            |
| HR1518           |                                   |        |        | HR1517 (Lo-16bits)                                      |
| HR1519           | ALARM:Alarms 1-32                 | R      | 2      | 0b=A1;1b=A2;2b=A3;3b=A4;4b=A5;5b=A6;6b=A7;7b=A8;8b=A9   |
| HR1520           |                                   |        |        | HR1519 (Lo-16bits)                                      |
| HR1521           | ALARM:Alarms 33-64                | R      | 2      | 0b=A33;1b=A34;2b=A35;3b=A36;4b=A37;5b=A38;6b=A39;7b=A40 |
| HR1522           |                                   |        |        | HR1521 (Lo-16bits)                                      |
| HR1523           | DIAG:Configuration changed        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)                     |
| HR1524           |                                   |        |        | HR1523 (Lo-16bits)                                      |
| HR1525           | RTDIN:S1 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1526           |                                   |        |        | HR1525 (Lo-16bits)                                      |
| HR1527           | RTDIN:S2 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1528           |                                   |        |        | HR1527 (Lo-16bits)                                      |
| HR1529           | RTDIN:S3 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1530           |                                   |        |        | HR1529 (Lo-16bits)                                      |
| HR1531           | RTDIN:S4 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1532           |                                   |        |        | HR1531 (Lo-16bits)                                      |
| HR1533           | RTDIN:S5 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1534           |                                   |        |        | HR1533 (Lo-16bits)                                      |

| Holding Register | Parameter                  | Access | Length |                                     |
|------------------|----------------------------|--------|--------|-------------------------------------|
| HR1535           | RTDIN:S6 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1536           |                            |        |        | HR1535 (Lo-16bits)                  |
| HR1537           | RTDIN:S7 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1538           |                            |        |        | HR1537 (Lo-16bits)                  |
| HR1539           | RTDIN:S7 Measurement mA    | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1540           |                            |        |        | HR1539 (Lo-16bits)                  |
| HR1541           | RTDIN:S8 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1542           |                            |        |        | HR1541 (Lo-16bits)                  |
| HR1543           | RTDIN:S8 Measurement mA    | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1544           |                            |        |        | HR1543 (Lo-16bits)                  |
| HR1545           | RTDIN:S9 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1546           |                            |        |        | HR1545 (Lo-16bits)                  |
| HR1547           | RTDIN:S10 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1548           |                            |        |        | HR1547 (Lo-16bits)                  |
| HR1549           | RTDIN:S11 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1550           |                            |        |        | HR1549 (Lo-16bits)                  |
| HR1551           | RTDIN:S12 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1552           |                            |        |        | HR1551 (Lo-16bits)                  |
| HR1553           | RTDIN:S13 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1554           |                            |        |        | HR1553 (Lo-16bits)                  |
| HR1555           | RTDIN:S14 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1556           |                            |        |        | HR1555 (Lo-16bits)                  |
| HR1557           | RTDIN:S15 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1558           |                            |        |        | HR1557 (Lo-16bits)                  |

| Holding Register | Parameter                        | Access | Length |                                     |
|------------------|----------------------------------|--------|--------|-------------------------------------|
| HR1559           | RTDIN:S15 Measurement mA         | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1560           |                                  |        |        | HR1559 (Lo-16bits)                  |
| HR1561           | RTDIN:S16 Measurement(Raw)       | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1562           |                                  |        |        | HR1561 (Lo-16bits)                  |
| HR1563           | RTDIN:S16 Measurement mA         | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1564           |                                  |        |        | HR1563 (Lo-16bits)                  |
| HR1565           | RTD1:S1 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1566           |                                  |        |        | HR1565 (Lo-16bits)                  |
| HR1567           | RTD1:S2 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1568           |                                  |        |        | HR1567 (Lo-16bits)                  |
| HR1569           | RTD1:S3 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1570           |                                  |        |        | HR1569 (Lo-16bits)                  |
| HR1571           | RTD1:S4 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1572           |                                  |        |        | HR1571 (Lo-16bits)                  |
| HR1573           | RTD1:S5 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1574           |                                  |        |        | HR1573 (Lo-16bits)                  |
| HR1575           | RTD1:S6 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1576           |                                  |        |        | HR1575 (Lo-16bits)                  |
| HR1577           | RTD1:S7 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1578           |                                  |        |        | HR1577 (Lo-16bits)                  |
| HR1579           | RTD1:S8 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1580           |                                  |        |        | HR1579 (Lo-16bits)                  |
| HR1581           | RTD1:S9 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1582           |                                  |        |        | HR1581 (Lo-16bits)                  |

| Holding Register | Parameter                         | Access | Length |                                         |
|------------------|-----------------------------------|--------|--------|-----------------------------------------|
| HR1583           | RTD1:S10 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1584           |                                   |        |        | HR1583 (Lo-16bits)                      |
| HR1585           | RTD1:S11 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1586           |                                   |        |        | HR1585 (Lo-16bits)                      |
| HR1587           | RTD1:S12 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1588           |                                   |        |        | HR1587 (Lo-16bits)                      |
| HR1589           | RTD1:S1 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1590           |                                   |        |        | HR1589 (Lo-16bits)                      |
| HR1591           | RTD1:S1 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1592           |                                   |        |        | HR1591 (Lo-16bits)                      |
| HR1593           | RTD1:S2 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1594           |                                   |        |        | HR1593 (Lo-16bits)                      |
| HR1595           | RTD1:S2 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1596           |                                   |        |        | HR1595 (Lo-16bits)                      |
| HR1597           | RTD1:S3 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1598           |                                   |        |        | HR1597 (Lo-16bits)                      |
| HR1599           | RTD1:S3 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1600           |                                   |        |        | HR1599 (Lo-16bits)                      |
| HR1601           | RTD1:S4 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1602           |                                   |        |        | HR1601 (Lo-16bits)                      |
| HR1603           | RTD1:S4 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1604           |                                   |        |        | HR1603 (Lo-16bits)                      |
| HR1605           | RTD1:S5 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1606           |                                   |        |        | HR1605 (Lo-16bits)                      |
| HR1607           | RTD1:S5 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1608           |                                   |        |        | HR1607 (Lo-16bits)                      |
| HR1609           | RTD1:S6 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1610           |                                   |        |        | HR1609 (Lo-16bits)                      |
| HR1611           | RTD1:S6 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                                                                    |
|------------------|--------------------------|--------|--------|--------------------------------------------------------------------|
| HR1612           |                          |        |        | HR1611 (Lo-16bits)                                                 |
| HR1613           | RTD1:S7 ALARM1 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1614           |                          |        |        | HR1613 (Lo-16bits)                                                 |
| HR1615           | RTD1:S7 ALARM2 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1616           |                          |        |        | HR1615 (Lo-16bits)                                                 |
| HR1617           | RTD1:S8 ALARM1 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1618           |                          |        |        | HR1617 (Lo-16bits)                                                 |
| HR1619           | RTD1:S8 ALARM2 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1620           |                          |        |        | HR1619 (Lo-16bits)                                                 |
| HR1621           | RTD1:S9 ALARM1 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1622           |                          |        |        | HR1621 (Lo-16bits)                                                 |
| HR1623           | RTD1:S9 ALARM2 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1624           |                          |        |        | HR1623 (Lo-16bits)                                                 |
| HR1625           | RTD1:S10 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1626           |                          |        |        | HR1625 (Lo-16bits)                                                 |
| HR1627           | RTD1:S10 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1628           |                          |        |        | HR1627 (Lo-16bits)                                                 |
| HR1629           | RTD1:S11 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1630           |                          |        |        | HR1629 (Lo-16bits)                                                 |
| HR1631           | RTD1:S11 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1632           |                          |        |        | HR1631 (Lo-16bits)                                                 |
| HR1633           | RTD1:S12 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1634           |                          |        |        | HR1633 (Lo-16bits)                                                 |
| HR1635           | VHZ1:V/Hz(2) > condition | R      | 1      | 0=Normal;1=VHz(2) Start;2=VHz(2) Alarm;3=VHz(2) Trip;4=VHz(2) Trip |
| HR1636           | RTD1:S12 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1637           |                          |        |        | HR1636 (Lo-16bits)                                                 |
| HR1638           | UIM2:Z<< condition       | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                                |
| HR1639           | RTD1:S1 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1640           |                          |        |        | HR1639 (Lo-16bits)                                                 |
| HR1641           | RTD1:S2 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |

| Holding Register | Parameter                  | Access | Length |                                         |
|------------------|----------------------------|--------|--------|-----------------------------------------|
| HR1642           |                            |        |        | HR1641 (Lo-16bits)                      |
| HR1643           | RTD1:S3 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1644           |                            |        |        | HR1643 (Lo-16bits)                      |
| HR1645           | RTD1:S4 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1646           |                            |        |        | HR1645 (Lo-16bits)                      |
| HR1647           | RTD1:S5 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1648           |                            |        |        | HR1647 (Lo-16bits)                      |
| HR1649           | RTD1:S6 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1650           |                            |        |        | HR1649 (Lo-16bits)                      |
| HR1651           | RTD1:S7 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1652           |                            |        |        | HR1651 (Lo-16bits)                      |
| HR1653           | RTD1:S8 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1654           |                            |        |        | HR1653 (Lo-16bits)                      |
| HR1655           | RTD1:S9 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1656           |                            |        |        | HR1655 (Lo-16bits)                      |
| HR1657           | RTD1:S10 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1658           |                            |        |        | HR1657 (Lo-16bits)                      |
| HR1659           | RTD1:S11 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1660           |                            |        |        | HR1659 (Lo-16bits)                      |
| HR1661           | RTD1:S12 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1662           |                            |        |        | HR1661 (Lo-16bits)                      |
| HR1663           | MBIO:MBIO ModA Ch1 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1664           |                            |        |        | HR1663 (Lo-16bits)                      |
| HR1665           | MBIO:MBIO ModA Ch2 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1666           |                            |        |        | HR1665 (Lo-16bits)                      |
| HR1667           | MBIO:MBIO ModA Ch3 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1668           |                            |        |        | HR1667 (Lo-16bits)                      |
| HR1669           | MBIO:MBIO ModA Ch4 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                  | Access | Length |                                         |
|------------------|----------------------------|--------|--------|-----------------------------------------|
| HR1670           |                            |        |        | HR1669 (Lo-16bits)                      |
| HR1671           | MBIO:MBIO ModA Ch5 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1672           |                            |        |        | HR1671 (Lo-16bits)                      |
| HR1673           | MBIO:MBIO ModA Ch6 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1674           |                            |        |        | HR1673 (Lo-16bits)                      |
| HR1675           | MBIO:MBIO ModA Ch7 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1676           |                            |        |        | HR1675 (Lo-16bits)                      |
| HR1677           | MBIO:MBIO ModA Ch8 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1678           |                            |        |        | HR1677 (Lo-16bits)                      |
| HR1679           | MBIO:MBIO ModB Ch1 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1680           |                            |        |        | HR1679 (Lo-16bits)                      |
| HR1681           | MBIO:MBIO ModB Ch2 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1682           |                            |        |        | HR1681 (Lo-16bits)                      |
| HR1683           | MBIO:MBIO ModB Ch3 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1684           |                            |        |        | HR1683 (Lo-16bits)                      |
| HR1685           | MBIO:MBIO ModB Ch4 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1686           |                            |        |        | HR1685 (Lo-16bits)                      |
| HR1687           | MBIO:MBIO ModB Ch5 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1688           |                            |        |        | HR1687 (Lo-16bits)                      |
| HR1689           | MBIO:MBIO ModB Ch6 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1690           |                            |        |        | HR1689 (Lo-16bits)                      |
| HR1691           | MBIO:MBIO ModB Ch7 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1692           |                            |        |        | HR1691 (Lo-16bits)                      |
| HR1693           | MBIO:MBIO ModB Ch8 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |



| Holding Register | Parameter                     | Access | Length |                                         |
|------------------|-------------------------------|--------|--------|-----------------------------------------|
| HR1694           |                               |        |        | HR1693 (Lo-16bits)                      |
| HR1695           | MBIO:MBIO ModC Ch1 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1696           |                               |        |        | HR1695 (Lo-16bits)                      |
| HR1697           | MBIO:MBIO ModC Ch2 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1698           |                               |        |        | HR1697 (Lo-16bits)                      |
| HR1699           | MBIO:MBIO ModC Ch3 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1700           |                               |        |        | HR1699 (Lo-16bits)                      |
| HR1701           | MBIO:MBIO ModC Ch4 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1702           |                               |        |        | HR1701 (Lo-16bits)                      |
| HR1703           | MBIO:MBIO ModC Ch5 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1704           |                               |        |        | HR1703 (Lo-16bits)                      |
| HR1705           | MBIO:MBIO ModC Ch6 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1706           |                               |        |        | HR1705 (Lo-16bits)                      |
| HR1707           | MBIO:MBIO ModC Ch7 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1708           |                               |        |        | HR1707 (Lo-16bits)                      |
| HR1709           | MBIO:MBIO ModC Ch8 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1710           |                               |        |        | HR1709 (Lo-16bits)                      |
| HR1711           | OBJ6:Object6 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1712           | OBJ7:Object7 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1713           | OBJ8:Object8 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1714           | OBJ9:Object9 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1715           | OBJ10:Object10 Breaker Status | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1716           | VRG1:Voltage now              | R      | 2      | FLOAT [0...140] (Hi-16bits)             |
| HR1717           |                               |        |        | HR1716 (Lo-16bits)                      |

| Holding Register | Parameter                             | Access | Length |                                          |
|------------------|---------------------------------------|--------|--------|------------------------------------------|
| HR1718           | VRG1:Voltage difference to set target | R      | 2      | FLOAT [-140...140] (Hi-16bits)           |
| HR1719           |                                       |        |        | HR1718 (Lo-16bits)                       |
| HR1720           | VRG1:Tap location now (-0 +)          | R      | 2      | FLOAT [-30...30] (Hi-16bits)             |
| HR1721           |                                       |        |        | HR1720 (Lo-16bits)                       |
| HR1722           | VRG1:Absolute tap location            | R      | 2      | FLOAT [0...50] (Hi-16bits)               |
| HR1723           |                                       |        |        | HR1722 (Lo-16bits)                       |
| HR1724           | VRG1:Control mode                     | R      | 1      | 0=Auto;1=Manual (loc&rem)                |
| HR1725           | VRG1:Remote tap control input         | RW     | 1      | 0=Stop;1=Lower;2=Higher                  |
| HR1726           | VJP1:<DELTA><alpha> > condition       | R      | 1      | 0=Normal;1=Blocked;2=Trip;3=Alarm        |
| HR1727           | LOGIC1:Logic out 1-32                 | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits)      |
| HR1728           |                                       |        |        | HR1727 (Lo-16bits)                       |
| HR1729           | PGS1:PS1 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1730           | VJP1:Voltage meas selected            | R      | 1      | 0=Selection Ok;1=Selection not available |
| HR1731           | PGS1:PS2 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1732           | PGS1:PS3 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1733           | PGS1:PS4 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1734           | PGS1:PS5 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1735           | PGS1:PS6 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1736           | PGS1:PS7 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1737           | PGS1:PS8 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1738           | PGS1:PS9 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1739           | PGS1:PS10 >/< condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1740           | ASC1:Curve1 Input                     | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1741           |                                       |        |        | HR1740 (Lo-16bits)                       |
| HR1742           | ASC1:Curve1 Output                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1743           |                                       |        |        | HR1742 (Lo-16bits)                       |
| HR1744           | ASC1:Curve2 Input                     | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1745           |                                       |        |        | HR1744 (Lo-16bits)                       |

| Holding Register | Parameter                            | Access | Length |                                         |
|------------------|--------------------------------------|--------|--------|-----------------------------------------|
| HR1746           | ASC1:Curve2 Output                   | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1747           |                                      |        |        | HR1746 (Lo-16bits)                      |
| HR1748           | ASC1:Curve3 Input                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1749           |                                      |        |        | HR1748 (Lo-16bits)                      |
| HR1750           | ASC1:Curve3 Output                   | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1751           |                                      |        |        | HR1750 (Lo-16bits)                      |
| HR1752           | ASC1:Curve4 Input                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1753           |                                      |        |        | HR1752 (Lo-16bits)                      |
| HR1754           | ASC1:Curve4 Output                   | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1755           |                                      |        |        | HR1754 (Lo-16bits)                      |
| HR1756           | PCS1:PCS1 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1757           |                                      |        |        | HR1756 (Lo-16bits)                      |
| HR1758           | PCS2:PCS2 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1759           |                                      |        |        | HR1758 (Lo-16bits)                      |
| HR1760           | PCS3:PCS3 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1761           |                                      |        |        | HR1760 (Lo-16bits)                      |
| HR1762           | PCS4:PCS4 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1763           |                                      |        |        | HR1762 (Lo-16bits)                      |
| HR1764           | PCS5:PCS5 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1765           |                                      |        |        | HR1764 (Lo-16bits)                      |
| HR1766           | AR1:Auto-recloser [79]<br>Mode       | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1767           | CTRL:Local/Remote status             | R      | 1      | 0=Remote;1=Local                        |
| HR1768           | RTD1:S13 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1769           |                                      |        |        | HR1768 (Lo-16bits)                      |
| HR1770           | RTD1:S14 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1771           |                                      |        |        | HR1770 (Lo-16bits)                      |
| HR1772           | RTD1:S15 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1773           |                                      |        |        | HR1772 (Lo-16bits)                      |

| Holding Register | Parameter                         | Access | Length |                                         |
|------------------|-----------------------------------|--------|--------|-----------------------------------------|
| HR1774           | RTD1:S16 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1775           |                                   |        |        | HR1774 (Lo-16bits)                      |
| HR1776           | RTD1:S13 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1777           |                                   |        |        | HR1776 (Lo-16bits)                      |
| HR1778           | RTD1:S13 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1779           |                                   |        |        | HR1778 (Lo-16bits)                      |
| HR1780           | RTD1:S13 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1781           |                                   |        |        | HR1780 (Lo-16bits)                      |
| HR1782           | RTD1:S14 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1783           |                                   |        |        | HR1782 (Lo-16bits)                      |
| HR1784           | RTD1:S14 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1785           |                                   |        |        | HR1784 (Lo-16bits)                      |
| HR1786           | RTD1:S14 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1787           |                                   |        |        | HR1786 (Lo-16bits)                      |
| HR1788           | RTD1:S15 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1789           |                                   |        |        | HR1788 (Lo-16bits)                      |
| HR1790           | RTD1:S15 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1791           |                                   |        |        | HR1790 (Lo-16bits)                      |
| HR1792           | RTD1:S15 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1793           |                                   |        |        | HR1792 (Lo-16bits)                      |
| HR1794           | RTD1:S16 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1795           |                                   |        |        | HR1794 (Lo-16bits)                      |
| HR1796           | RTD1:S16 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1797           |                                   |        |        | HR1796 (Lo-16bits)                      |
| HR1798           | RTD1:S16 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1799           |                                   |        |        | HR1798 (Lo-16bits)                      |
| HR1800           | GSYN:Synchronizer mode            | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1801           | GSYN:Magnitude difference         | R      | 2      | FLOAT [-200...200] (Hi-16bits)          |
| HR1802           |                                   |        |        | HR1801 (Lo-16bits)                      |

| Holding Register | Parameter                                | Access | Length |                                        |
|------------------|------------------------------------------|--------|--------|----------------------------------------|
| HR1803           | GSYN:Frequency difference                | R      | 2      | FLOAT [-100...100] (Hi-16bits)         |
| HR1804           |                                          |        |        | HR1803 (Lo-16bits)                     |
| HR1805           | GSYN:Angle difference                    | R      | 2      | FLOAT [-360...360] (Hi-16bits)         |
| HR1806           |                                          |        |        | HR1805 (Lo-16bits)                     |
| HR1807           | GSYN:Magnitude difference on closing BRK | R      | 2      | FLOAT [-200...200] (Hi-16bits)         |
| HR1808           |                                          |        |        | HR1807 (Lo-16bits)                     |
| HR1809           | GSYN:Frequency difference on closing BRK | R      | 2      | FLOAT [-100...100] (Hi-16bits)         |
| HR1810           |                                          |        |        | HR1809 (Lo-16bits)                     |
| HR1811           | GSYN:Angle difference on closing BRK     | R      | 2      | FLOAT [-360...360] (Hi-16bits)         |
| HR1812           |                                          |        |        | HR1811 (Lo-16bits)                     |
| HR1813           | GSYN:Synchronizing time left             | R      | 2      | FLOAT [0...1800] (Hi-16bits)           |
| HR1814           |                                          |        |        | HR1813 (Lo-16bits)                     |
| HR1815           | GSYN:Magnitude difference fine tune      | RW     | 2      | FLOAT [-200...200] (Hi-16bits)         |
| HR1816           |                                          |        |        | HR1815 (Lo-16bits)                     |
| HR1817           | GSYN:Frequency difference fine tune      | RW     | 2      | FLOAT [-100...100] (Hi-16bits)         |
| HR1818           |                                          |        |        | HR1817 (Lo-16bits)                     |
| HR1819           | GSYN:Angle difference fine tune          | RW     | 2      | FLOAT [-360...360] (Hi-16bits)         |
| HR1820           |                                          |        |        | HR1819 (Lo-16bits)                     |
| HR1821           | GSYN:Start Synchronizer                  | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1822           |                                          |        |        | HR1821 (Lo-16bits)                     |
| HR1823           | GSYN:Stop Synchronizer                   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1824           |                                          |        |        | HR1823 (Lo-16bits)                     |
| HR1825           | GSYN:Block and Interrupt Synchronizing   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1826           |                                          |        |        | HR1825 (Lo-16bits)                     |
| HR1827           | GSYN:Breaker Closed                      | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1828           |                                          |        |        | HR1827 (Lo-16bits)                     |

| Holding Register | Parameter                            | Access | Length |                                         |
|------------------|--------------------------------------|--------|--------|-----------------------------------------|
| HR1829           | GSYN:GSYN Voltage Mag.Difference Ok  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1830           |                                      |        |        | HR1829 (Lo-16bits)                      |
| HR1831           | GSYN:GSYN Voltage Freq.Difference Ok | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1832           |                                      |        |        | HR1831 (Lo-16bits)                      |
| HR1833           | GSYN:GSYN Voltage Ang.Difference Ok  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1834           |                                      |        |        | HR1833 (Lo-16bits)                      |
| HR1835           | GSYN:GSYN Blocked                    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1836           |                                      |        |        | HR1835 (Lo-16bits)                      |
| HR1837           | GSYN:GSYN Running                    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1838           |                                      |        |        | HR1837 (Lo-16bits)                      |
| HR1839           | GSYN:GSYN Increase Voltage           | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1840           |                                      |        |        | HR1839 (Lo-16bits)                      |
| HR1841           | GSYN:GSYN Decrease Voltage           | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1842           |                                      |        |        | HR1841 (Lo-16bits)                      |
| HR1843           | GSYN:GSYN Increase Frequency         | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1844           |                                      |        |        | HR1843 (Lo-16bits)                      |
| HR1845           | GSYN:GSYN Decrease Frequency         | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1846           |                                      |        |        | HR1845 (Lo-16bits)                      |
| HR1847           | GSYN:GSYN Breaker Close Pulse        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1848           |                                      |        |        | HR1847 (Lo-16bits)                      |
| HR1849           | GSYN:GSYN Long Sync Time             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1850           |                                      |        |        | HR1849 (Lo-16bits)                      |
| HR1851           | VREC:Measurement value recorder mode | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1852           | VREC:Scale current values to primary | RW     | 1      | 0=No;1=Yes                              |

| Holding Register | Parameter                                                         | Access | Length |                                          |
|------------------|-------------------------------------------------------------------|--------|--------|------------------------------------------|
| HR1853           | VREC:Record fault types (Overcurrent & Voltage Over/Under) faults | RW     | 1      | 0=No;1=Yes                               |
| HR1854           | VREC:Trigger register to memory                                   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)   |
| HR1855           |                                                                   |        |        | HR1854 (Lo-16bits)                       |
| HR1856           | VREC:VREC Magnitude 1                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1857           |                                                                   |        |        | HR1856 (Lo-16bits)                       |
| HR1858           | VREC:VREC Magnitude 2                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1859           |                                                                   |        |        | HR1858 (Lo-16bits)                       |
| HR1860           | VREC:VREC Magnitude 3                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1861           |                                                                   |        |        | HR1860 (Lo-16bits)                       |
| HR1862           | VREC:VREC Magnitude 4                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1863           |                                                                   |        |        | HR1862 (Lo-16bits)                       |
| HR1864           | VREC:VREC Magnitude 5                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1865           |                                                                   |        |        | HR1864 (Lo-16bits)                       |
| HR1866           | VREC:VREC Magnitude 6                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1867           |                                                                   |        |        | HR1866 (Lo-16bits)                       |
| HR1868           | VREC:VREC Magnitude 7                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1869           |                                                                   |        |        | HR1868 (Lo-16bits)                       |
| HR1870           | VREC:VREC Magnitude 8                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1871           |                                                                   |        |        | HR1870 (Lo-16bits)                       |
| HR1872           | RTB:Measurement value recorder mode                               | RW     | 1      | 0=Disabled;1=Activated                   |
| HR1873           | RTB:Scale current values to primary                               | RW     | 1      | 0=No;1=Yes                               |
| HR1874           | RTB:RTS to bus Magnitude 1                                        | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1875           |                                                                   |        |        | HR1874 (Lo-16bits)                       |
| HR1876           | RTB:RTS to bus Magnitude 2                                        | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1877           |                                                                   |        |        | HR1876 (Lo-16bits)                       |
| HR1878           | RTB:RTS to bus Magnitude 3                                        | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |

| Holding Register | Parameter                                 | Access | Length |                                          |
|------------------|-------------------------------------------|--------|--------|------------------------------------------|
| HR1879           |                                           |        |        | HR1878 (Lo-16bits)                       |
| HR1880           | RTB:RTS to bus Magnitude 4                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1881           |                                           |        |        | HR1880 (Lo-16bits)                       |
| HR1882           | RTB:RTS to bus Magnitude 5                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1883           |                                           |        |        | HR1882 (Lo-16bits)                       |
| HR1884           | RTB:RTS to bus Magnitude 6                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1885           |                                           |        |        | HR1884 (Lo-16bits)                       |
| HR1886           | RTB:RTS to bus Magnitude 7                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1887           |                                           |        |        | HR1886 (Lo-16bits)                       |
| HR1888           | RTB:RTS to bus Magnitude 8                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1889           |                                           |        |        | HR1888 (Lo-16bits)                       |
| HR1890           | AOUT:mA In Channel 1                      | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1891           |                                           |        |        | HR1890 (Lo-16bits)                       |
| HR1892           | AOUT:mA In Channel 2                      | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1893           |                                           |        |        | HR1892 (Lo-16bits)                       |
| HR1894           | AOUT:mA Out Channel 1 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1895           |                                           |        |        | HR1894 (Lo-16bits)                       |
| HR1896           | AOUT:mA Out Channel 1 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1897           |                                           |        |        | HR1896 (Lo-16bits)                       |
| HR1898           | AOUT:mA Out Channel 2 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1899           |                                           |        |        | HR1898 (Lo-16bits)                       |
| HR1900           | AOUT:mA Out Channel 2 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1901           |                                           |        |        | HR1900 (Lo-16bits)                       |
| HR1902           | AOUT:mA Out Channel 3 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1903           |                                           |        |        | HR1902 (Lo-16bits)                       |



| Holding Register | Parameter                                 | Access | Length |                                          |
|------------------|-------------------------------------------|--------|--------|------------------------------------------|
| HR1904           | AOUT:mA Out Channel 3 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1905           |                                           |        |        | HR1904 (Lo-16bits)                       |
| HR1906           | AOUT:mA Out Channel 4 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1907           |                                           |        |        | HR1906 (Lo-16bits)                       |
| HR1908           | AOUT:mA Out Channel 4 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1909           |                                           |        |        | HR1908 (Lo-16bits)                       |
| HR1910           | AOUT:mA Out Channel 5 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1911           |                                           |        |        | HR1910 (Lo-16bits)                       |
| HR1912           | AOUT:mA Out Channel 5 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1913           |                                           |        |        | HR1912 (Lo-16bits)                       |
| HR1914           | AOUT:mA Out Channel 6 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1915           |                                           |        |        | HR1914 (Lo-16bits)                       |
| HR1916           | AOUT:mA Out Channel 6 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1917           |                                           |        |        | HR1916 (Lo-16bits)                       |
| HR1918           | AOUT:mA Out Channel 7 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1919           |                                           |        |        | HR1918 (Lo-16bits)                       |
| HR1920           | AOUT:mA Out Channel 7 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1921           |                                           |        |        | HR1920 (Lo-16bits)                       |
| HR1922           | AOUT:mA Out Channel 8 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1923           |                                           |        |        | HR1922 (Lo-16bits)                       |
| HR1924           | AOUT:mA Out Channel 8 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1925           |                                           |        |        | HR1924 (Lo-16bits)                       |
| HR1926           | RTDIN:S1 Resistance                       | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |
| HR1927           |                                           |        |        | HR1926 (Lo-16bits)                       |
| HR1928           | RTDIN:S2 Resistance                       | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |

| Holding Register | Parameter                       | Access | Length |                                  |
|------------------|---------------------------------|--------|--------|----------------------------------|
| HR1929           |                                 |        |        | HR1928 (Lo-16bits)               |
| HR1930           | RTDIN:S3 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1931           |                                 |        |        | HR1930 (Lo-16bits)               |
| HR1932           | RTDIN:S4 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1933           |                                 |        |        | HR1932 (Lo-16bits)               |
| HR1934           | RTDIN:S5 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1935           |                                 |        |        | HR1934 (Lo-16bits)               |
| HR1936           | RTDIN:S6 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1937           |                                 |        |        | HR1936 (Lo-16bits)               |
| HR1938           | RTDIN:S7 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1939           |                                 |        |        | HR1938 (Lo-16bits)               |
| HR1940           | RTDIN:S8 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1941           |                                 |        |        | HR1940 (Lo-16bits)               |
| HR1942           | RTDIN:S9 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1943           |                                 |        |        | HR1942 (Lo-16bits)               |
| HR1944           | RTDIN:S10 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1945           |                                 |        |        | HR1944 (Lo-16bits)               |
| HR1946           | RTDIN:S11 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1947           |                                 |        |        | HR1946 (Lo-16bits)               |
| HR1948           | RTDIN:S12 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1949           |                                 |        |        | HR1948 (Lo-16bits)               |
| HR1950           | RTDIN:S13 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1951           |                                 |        |        | HR1950 (Lo-16bits)               |
| HR1952           | RTDIN:S14 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1953           |                                 |        |        | HR1952 (Lo-16bits)               |
| HR1954           | RTDIN:S15 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1955           |                                 |        |        | HR1954 (Lo-16bits)               |
| HR1956           | RTDIN:S16 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1957           |                                 |        |        | HR1956 (Lo-16bits)               |
| HR1958           | GSYN:Estimated BRK Closing time | R      | 2      | FLOAT [0...360] (Hi-16bits)      |

| Holding Register | Parameter                                         | Access | Length |                                                                   |
|------------------|---------------------------------------------------|--------|--------|-------------------------------------------------------------------|
| HR1959           |                                                   |        |        | HR1958 (Lo-16bits)                                                |
| HR1960           | GSYN:Networks rotating time                       | R      | 2      | FLOAT [0...360] (Hi-16bits)                                       |
| HR1961           |                                                   |        |        | HR1960 (Lo-16bits)                                                |
| HR1962           | GSYN:Networks placement atm                       | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                    |
| HR1963           |                                                   |        |        | HR1962 (Lo-16bits)                                                |
| HR1964           | SYN1:Estimated BRK Closing time                   | R      | 2      | FLOAT [0...360] (Hi-16bits)                                       |
| HR1965           |                                                   |        |        | HR1964 (Lo-16bits)                                                |
| HR1966           | SYN1:Networks rotating time                       | R      | 2      | FLOAT [0...360] (Hi-16bits)                                       |
| HR1967           |                                                   |        |        | HR1966 (Lo-16bits)                                                |
| HR1968           | SYN1:Networks placement atm                       | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                    |
| HR1969           |                                                   |        |        | HR1968 (Lo-16bits)                                                |
| HR1970           | FREQS:f atm. Display (when not measurable is 0Hz) | R      | 2      | FLOAT [0...75] (Hi-16bits)                                        |
| HR1971           |                                                   |        |        | HR1970 (Lo-16bits)                                                |
| HR1972           | NOC1: > Phases condition                          | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip C |
| HR1973           | NOC1: > Last fault end with                       | R      | 1      | 0=No Faults;1=Start;2=Trip                                        |
| HR1974           | NOC1: > Last fault type                           | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                   |
| HR1975           | NOC1: > Last fault IA current (pri)               | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1976           |                                                   |        |        | HR1975 (Lo-16bits)                                                |
| HR1977           | NOC1: > Last fault IB current (pri)               | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1978           |                                                   |        |        | HR1977 (Lo-16bits)                                                |
| HR1979           | NOC1: > Last fault IC current (pri)               | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1980           |                                                   |        |        | HR1979 (Lo-16bits)                                                |
| HR1981           | NOC1:Pick-up setting Iset                         | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                      |
| HR1982           |                                                   |        |        | HR1981 (Lo-16bits)                                                |
| HR1983           | NOC1:Delay type                                   | RW     | 1      | 0=DT;1=IDMT                                                       |

| Holding Register | Parameter                                    | Access | Length |                                                                 |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR1984           | NOC1:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                    |
| HR1985           |                                              |        |        | HR1984 (Lo-16bits)                                              |
| HR1986           | NOC1:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR1987           | NOC1:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR1988           | NOC1:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR1989           | NOC1:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR1990           | NOC1:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR1991           |                                              |        |        | HR1990 (Lo-16bits)                                              |
| HR1992           | NOC1:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1993           |                                              |        |        | HR1992 (Lo-16bits)                                              |
| HR1994           | NOC1:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1995           |                                              |        |        | HR1994 (Lo-16bits)                                              |
| HR1996           | NOC1:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1997           |                                              |        |        | HR1996 (Lo-16bits)                                              |
| HR1998           | NOC1:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR1999           | NOC1:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR2000           | NOC2: >> Phases condition                    | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR2001           | NOC2: >> Last fault end with                 | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR2002           | NOC2: >> Last fault type                     | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR2003           | NOC2: >> Last fault IA current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2004           |                                              |        |        | HR2003 (Lo-16bits)                                              |
| HR2005           | NOC2: >> Last fault IB current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2006           |                                              |        |        | HR2005 (Lo-16bits)                                              |
| HR2007           | NOC2: >> Last fault IC current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2008           |                                              |        |        | HR2007 (Lo-16bits)                                              |

| Holding Register | Parameter                                    | Access | Length |                                                                 |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2009           | NOC2:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                    |
| HR2010           |                                              |        |        | HR2009 (Lo-16bits)                                              |
| HR2011           | NOC2:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                     |
| HR2012           | NOC2:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                    |
| HR2013           |                                              |        |        | HR2012 (Lo-16bits)                                              |
| HR2014           | NOC2:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR2015           | NOC2:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR2016           | NOC2:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR2017           | NOC2:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR2018           | NOC2:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR2019           |                                              |        |        | HR2018 (Lo-16bits)                                              |
| HR2020           | NOC2:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2021           |                                              |        |        | HR2020 (Lo-16bits)                                              |
| HR2022           | NOC2:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2023           |                                              |        |        | HR2022 (Lo-16bits)                                              |
| HR2024           | NOC2:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2025           |                                              |        |        | HR2024 (Lo-16bits)                                              |
| HR2026           | NOC2:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR2027           | NOC2:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR2028           | NOC3:I>>> Phases condition                   | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR2029           | NOC3:I>>> Last fault end with                | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR2030           | NOC3:I>>> Last fault type                    | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR2031           | NOC3:I>>> Last fault IA current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2032           |                                              |        |        | HR2031 (Lo-16bits)                                              |
| HR2033           | NOC3:I>>> Last fault IB current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2034           |                                              |        |        | HR2033 (Lo-16bits)                                              |

| Holding Register | Parameter                                    | Access | Length |                                                                 |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2035           | NOC3:I>>>> Last fault IC current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2036           |                                              |        |        | HR2035 (Lo-16bits)                                              |
| HR2037           | NOC3:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                    |
| HR2038           |                                              |        |        | HR2037 (Lo-16bits)                                              |
| HR2039           | NOC3:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                     |
| HR2040           | NOC3:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                    |
| HR2041           |                                              |        |        | HR2040 (Lo-16bits)                                              |
| HR2042           | NOC3:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR2043           | NOC3:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR2044           | NOC3:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR2045           | NOC3:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR2046           | NOC3:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR2047           |                                              |        |        | HR2046 (Lo-16bits)                                              |
| HR2048           | NOC3:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2049           |                                              |        |        | HR2048 (Lo-16bits)                                              |
| HR2050           | NOC3:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2051           |                                              |        |        | HR2050 (Lo-16bits)                                              |
| HR2052           | NOC3:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2053           |                                              |        |        | HR2052 (Lo-16bits)                                              |
| HR2054           | NOC3:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR2055           | NOC3:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR2056           | NOC4:I>>>> Phases condition                  | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR2057           | NOC4:I>>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR2058           | NOC4:I>>>> Last fault type                   | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR2059           | NOC4:I>>>> Last fault IA current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2060           |                                              |        |        | HR2059 (Lo-16bits)                                              |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2061           | NOC4: >>>> Last fault IB current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2062           |                                              |        |        | HR2061 (Lo-16bits)                                          |
| HR2063           | NOC4: >>>> Last fault IC current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2064           |                                              |        |        | HR2063 (Lo-16bits)                                          |
| HR2065           | NOC4:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2066           |                                              |        |        | HR2065 (Lo-16bits)                                          |
| HR2067           | NOC4:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2068           | NOC4:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2069           |                                              |        |        | HR2068 (Lo-16bits)                                          |
| HR2070           | NOC4:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2071           | NOC4:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2072           | NOC4:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2073           | NOC4:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2074           | NOC4:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2075           |                                              |        |        | HR2074 (Lo-16bits)                                          |
| HR2076           | NOC4:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2077           |                                              |        |        | HR2076 (Lo-16bits)                                          |
| HR2078           | NOC4:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2079           |                                              |        |        | HR2078 (Lo-16bits)                                          |
| HR2080           | NOC4:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2081           |                                              |        |        | HR2080 (Lo-16bits)                                          |
| HR2082           | NOC4:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2083           | NOC4:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2084           | VRG1:Target Voltage (UTGT)                   | RW     | 2      | FLOAT [70...140] (Hi-16bits)                                |
| HR2085           |                                              |        |        | HR2084 (Lo-16bits)                                          |
| HR2086           | VRG1:Target Voltage (UTGT)                   | RW     | 2      | FLOAT [70...140] (Hi-16bits)                                |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR2087           |                            |        |        | HR2086 (Lo-16bits)           |
| HR2088           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2089           |                            |        |        | HR2088 (Lo-16bits)           |
| HR2090           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2091           |                            |        |        | HR2090 (Lo-16bits)           |
| HR2092           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2093           |                            |        |        | HR2092 (Lo-16bits)           |
| HR2094           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2095           |                            |        |        | HR2094 (Lo-16bits)           |
| HR2096           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2097           |                            |        |        | HR2096 (Lo-16bits)           |
| HR2098           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2099           |                            |        |        | HR2098 (Lo-16bits)           |
| HR2100           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2101           |                            |        |        | HR2100 (Lo-16bits)           |
| HR2102           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2103           |                            |        |        | HR2102 (Lo-16bits)           |
| HR2104           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2105           |                            |        |        | HR2104 (Lo-16bits)           |
| HR2106           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2107           |                            |        |        | HR2106 (Lo-16bits)           |
| HR2108           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2109           |                            |        |        | HR2108 (Lo-16bits)           |
| HR2110           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2111           |                            |        |        | HR2110 (Lo-16bits)           |
| HR2112           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2113           |                            |        |        | HR2112 (Lo-16bits)           |



| Holding Register | Parameter                | Access | Length |                              |
|------------------|--------------------------|--------|--------|------------------------------|
| HR2114           | VRG1:U> setting (+UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2115           |                          |        |        | HR2114 (Lo-16bits)           |
| HR2116           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2117           |                          |        |        | HR2116 (Lo-16bits)           |
| HR2118           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2119           |                          |        |        | HR2118 (Lo-16bits)           |
| HR2120           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2121           |                          |        |        | HR2120 (Lo-16bits)           |
| HR2122           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2123           |                          |        |        | HR2122 (Lo-16bits)           |
| HR2124           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2125           |                          |        |        | HR2124 (Lo-16bits)           |
| HR2126           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2127           |                          |        |        | HR2126 (Lo-16bits)           |
| HR2128           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2129           |                          |        |        | HR2128 (Lo-16bits)           |
| HR2130           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2131           |                          |        |        | HR2130 (Lo-16bits)           |
| HR2132           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2133           |                          |        |        | HR2132 (Lo-16bits)           |
| HR2134           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2135           |                          |        |        | HR2134 (Lo-16bits)           |
| HR2136           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2137           |                          |        |        | HR2136 (Lo-16bits)           |
| HR2138           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2139           |                          |        |        | HR2138 (Lo-16bits)           |
| HR2140           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2141           |                          |        |        | HR2140 (Lo-16bits)           |

| Holding Register | Parameter                | Access | Length |                                                       |
|------------------|--------------------------|--------|--------|-------------------------------------------------------|
| HR2142           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2143           |                          |        |        | HR2142 (Lo-16bits)                                    |
| HR2144           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2145           |                          |        |        | HR2144 (Lo-16bits)                                    |
| HR2146           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2147           |                          |        |        | HR2146 (Lo-16bits)                                    |
| HR2148           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2149           |                          |        |        | HR2148 (Lo-16bits)                                    |
| HR2150           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2151           |                          |        |        | HR2150 (Lo-16bits)                                    |
| HR2152           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2153           |                          |        |        | HR2152 (Lo-16bits)                                    |
| HR2154           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2155           |                          |        |        | HR2154 (Lo-16bits)                                    |
| HR2156           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2157           |                          |        |        | HR2156 (Lo-16bits)                                    |
| HR2158           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2159           |                          |        |        | HR2158 (Lo-16bits)                                    |
| HR2160           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2161           |                          |        |        | HR2160 (Lo-16bits)                                    |
| HR2162           | VRG1:U<< setting (-UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                          |
| HR2163           |                          |        |        | HR2162 (Lo-16bits)                                    |
| HR2164           | RTDIN:S1 Sensor          | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2165           | RTDIN:S2 Sensor          | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2166           | RTDIN:S3 Sensor          | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2167           | RTDIN:S4 Sensor          | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2168           | RTDIN:S5 Sensor          | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2169           | RTDIN:S6 Sensor          | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2170           | RTDIN:S7 Sensor          | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |

| Holding Register | Parameter                               | Access | Length |                                                       |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------|
| HR2171           | RTDIN:S8 Sensor                         | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2172           | RTDIN:S9 Sensor                         | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2173           | RTDIN:S10 Sensor                        | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2174           | RTDIN:S11 Sensor                        | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2175           | RTDIN:S12 Sensor                        | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2176           | RTDIN:S13 Sensor                        | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2177           | RTDIN:S14 Sensor                        | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2178           | RTDIN:S15 Sensor                        | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2179           | RTDIN:S16 Sensor                        | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2180           | DOC1:Idir> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                            |
| HR2181           | DOC1:Idir> Last fault type              | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C       |
| HR2182           | DOC1:Idir> Last fault angle             | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)                  |
| HR2183           |                                         |        |        | HR2182 (Lo-16bits)                                    |
| HR2184           | DOC1:Idir> Last fault IA current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                       |
| HR2185           |                                         |        |        | HR2184 (Lo-16bits)                                    |
| HR2186           | DOC1:Idir> Last fault IB current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                       |
| HR2187           |                                         |        |        | HR2186 (Lo-16bits)                                    |
| HR2188           | DOC1:Idir> Last fault IC current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                       |
| HR2189           |                                         |        |        | HR2188 (Lo-16bits)                                    |
| HR2190           | DOC2:Idir>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                            |
| HR2191           | DOC2:Idir>> Last fault type             | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C       |
| HR2192           | DOC2:Idir>> Last fault angle            | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)                  |
| HR2193           |                                         |        |        | HR2192 (Lo-16bits)                                    |
| HR2194           | DOC2:Idir>> Last fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                       |
| HR2195           |                                         |        |        | HR2194 (Lo-16bits)                                    |
| HR2196           | DOC2:Idir>> Last fault IB current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                       |

| Holding Register | Parameter                                 | Access | Length |                                                 |
|------------------|-------------------------------------------|--------|--------|-------------------------------------------------|
| HR2197           |                                           |        |        | HR2196 (Lo-16bits)                              |
| HR2198           | DOC2:ldir>> Last fault IC current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2199           |                                           |        |        | HR2198 (Lo-16bits)                              |
| HR2200           | DOC3:ldir>>> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2201           | DOC3:ldir>>> Last fault type              | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR2202           | DOC3:ldir>>> Last fault angle             | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR2203           |                                           |        |        | HR2202 (Lo-16bits)                              |
| HR2204           | DOC3:ldir>>> Last fault IA current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2205           |                                           |        |        | HR2204 (Lo-16bits)                              |
| HR2206           | DOC3:ldir>>> Last fault IB current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2207           |                                           |        |        | HR2206 (Lo-16bits)                              |
| HR2208           | DOC3:ldir>>> Last fault IC current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2209           |                                           |        |        | HR2208 (Lo-16bits)                              |
| HR2210           | DOC4:ldir>>> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2211           | DOC4:ldir>>>> Last fault type             | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR2212           | DOC4:ldir>>>> Last fault angle            | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR2213           |                                           |        |        | HR2212 (Lo-16bits)                              |
| HR2214           | DOC4:ldir>>>> Last fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2215           |                                           |        |        | HR2214 (Lo-16bits)                              |
| HR2216           | DOC4:ldir>>>> Last fault IB current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2217           |                                           |        |        | HR2216 (Lo-16bits)                              |
| HR2218           | DOC4:ldir>>>> Last fault IC current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2219           |                                           |        |        | HR2218 (Lo-16bits)                              |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2220           | NEF1:I0> Last fault end with                 | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2221           | NEF1:I0> Last fault IO current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2222           |                                              |        |        | HR2221 (Lo-16bits)                                          |
| HR2223           | NEF1:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2224           |                                              |        |        | HR2223 (Lo-16bits)                                          |
| HR2225           | NEF1:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2226           | NEF1:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2227           |                                              |        |        | HR2226 (Lo-16bits)                                          |
| HR2228           | NEF1:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2229           | NEF1:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2230           | NEF1:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2231           | NEF1:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2232           | NEF1:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2233           |                                              |        |        | HR2232 (Lo-16bits)                                          |
| HR2234           | NEF1:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2235           |                                              |        |        | HR2234 (Lo-16bits)                                          |
| HR2236           | NEF1:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2237           |                                              |        |        | HR2236 (Lo-16bits)                                          |
| HR2238           | NEF1:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2239           |                                              |        |        | HR2238 (Lo-16bits)                                          |
| HR2240           | NEF1:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2241           | NEF1:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2242           | NEF2:I0>> Last fault end with                | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2243           | NEF2:I0>> Last fault IO current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2244           |                                              |        |        | HR2243 (Lo-16bits)                                          |
| HR2245           | NEF2:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2246           |                                              |        |        | HR2245 (Lo-16bits)                                          |
| HR2247           | NEF2:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2248           | NEF2:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2249           |                                              |        |        | HR2248 (Lo-16bits)                                          |
| HR2250           | NEF2:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2251           | NEF2:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2252           | NEF2:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2253           | NEF2:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2254           | NEF2:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2255           |                                              |        |        | HR2254 (Lo-16bits)                                          |
| HR2256           | NEF2:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2257           |                                              |        |        | HR2256 (Lo-16bits)                                          |
| HR2258           | NEF2:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2259           |                                              |        |        | HR2258 (Lo-16bits)                                          |
| HR2260           | NEF2:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2261           |                                              |        |        | HR2260 (Lo-16bits)                                          |
| HR2262           | NEF2:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2263           | NEF2:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2264           | NEF3:I0>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2265           | NEF3:I0>>> Last fault I0 current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2266           |                                              |        |        | HR2265 (Lo-16bits)                                          |
| HR2267           | NEF3:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2268           |                                              |        |        | HR2267 (Lo-16bits)                                          |
| HR2269           | NEF3:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2270           | NEF3:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2271           |                                              |        |        | HR2270 (Lo-16bits)                                          |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2272           | NEF3:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2273           | NEF3:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2274           | NEF3:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2275           | NEF3:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2276           | NEF3:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2277           |                                              |        |        | HR2276 (Lo-16bits)                                          |
| HR2278           | NEF3:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2279           |                                              |        |        | HR2278 (Lo-16bits)                                          |
| HR2280           | NEF3:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2281           |                                              |        |        | HR2280 (Lo-16bits)                                          |
| HR2282           | NEF3:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2283           |                                              |        |        | HR2282 (Lo-16bits)                                          |
| HR2284           | NEF3>Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2285           | NEF3:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2286           | NEF4:I0>>>> Last fault end with              | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2287           | NEF4:I0>>>> Last fault I0 current (pri)      | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2288           |                                              |        |        | HR2287 (Lo-16bits)                                          |
| HR2289           | NEF4:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2290           |                                              |        |        | HR2289 (Lo-16bits)                                          |
| HR2291           | NEF4:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2292           | NEF4:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2293           |                                              |        |        | HR2292 (Lo-16bits)                                          |
| HR2294           | NEF4:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2295           | NEF4:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2296           | NEF4:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                                | Access | Length |                                                    |
|------------------|------------------------------------------|--------|--------|----------------------------------------------------|
| HR2297           | NEF4:Non standard Delay char.            | RW     | 1      | 0=RI-type;1=RD-type                                |
| HR2298           | NEF4:Time dial setting k                 | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                      |
| HR2299           |                                          |        |        | HR2298 (Lo-16bits)                                 |
| HR2300           | NEF4:IDMT Const. A                       | RW     | 2      | FLOAT [0...250] (Hi-16bits)                        |
| HR2301           |                                          |        |        | HR2300 (Lo-16bits)                                 |
| HR2302           | NEF4:IDMT Const. B                       | RW     | 2      | FLOAT [0...250] (Hi-16bits)                        |
| HR2303           |                                          |        |        | HR2302 (Lo-16bits)                                 |
| HR2304           | NEF4:IDMT Const. C                       | RW     | 2      | FLOAT [0...250] (Hi-16bits)                        |
| HR2305           |                                          |        |        | HR2304 (Lo-16bits)                                 |
| HR2306           | NEF4:Select SG                           | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8= |
| HR2307           | NEF4:Write settings to selected SG       | RW     | 1      | 0=-;1=Write (autoreset)                            |
| HR2308           | DEF1:I0dir> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                         |
| HR2309           | DEF1:I0dir> Last fault angle             | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR2310           |                                          |        |        | HR2309 (Lo-16bits)                                 |
| HR2311           | DEF1:I0dir> Last fault I0 current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                    |
| HR2312           |                                          |        |        | HR2311 (Lo-16bits)                                 |
| HR2313           | DEF1:I0dir> Last fault U0(%)             | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                    |
| HR2314           |                                          |        |        | HR2313 (Lo-16bits)                                 |
| HR2315           | DEF2:I0dir>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                         |
| HR2316           | DEF2:I0dir>> Last fault angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR2317           |                                          |        |        | HR2316 (Lo-16bits)                                 |
| HR2318           | DEF2:I0dir>> Last fault I0 current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                    |
| HR2319           |                                          |        |        | HR2318 (Lo-16bits)                                 |
| HR2320           | DEF2:I0dir>> Last fault U0(%)            | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                    |
| HR2321           |                                          |        |        | HR2320 (Lo-16bits)                                 |



| Holding Register | Parameter                                  | Access | Length |                                      |
|------------------|--------------------------------------------|--------|--------|--------------------------------------|
| HR2322           | DEF3:I0dir>>> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip           |
| HR2323           | DEF3:I0dir>>> Last fault angle             | R      | 2      | FLOAT [-360...360] (Hi-16bits)       |
| HR2324           |                                            |        |        | HR2323 (Lo-16bits)                   |
| HR2325           | DEF3:I0dir>>> Last fault I0 current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)      |
| HR2326           |                                            |        |        | HR2325 (Lo-16bits)                   |
| HR2327           | DEF3:I0dir>>> Last fault U0(%)             | R      | 2      | FLOAT [0...1000000] (Hi-16bits)      |
| HR2328           |                                            |        |        | HR2327 (Lo-16bits)                   |
| HR2329           | DEF4:I0dir>>>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip           |
| HR2330           | DEF4:I0dir>>>> Last fault angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits)       |
| HR2331           |                                            |        |        | HR2330 (Lo-16bits)                   |
| HR2332           | DEF4:I0dir>>>> Last fault I0 current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)      |
| HR2333           |                                            |        |        | HR2332 (Lo-16bits)                   |
| HR2334           | DEF4:I0dir>>>> Last fault U0(%)            | R      | 2      | FLOAT [0...1000000] (Hi-16bits)      |
| HR2335           |                                            |        |        | HR2334 (Lo-16bits)                   |
| HR2336           | MEAS2:MEAS2 IL ang. Ref                    | R      | 2      | FLOAT [-360...360] (Hi-16bits)       |
| HR2337           |                                            |        |        | HR2336 (Lo-16bits)                   |
| HR2338           | IMERX:IL1 Resistive Current Pri.           | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2339           |                                            |        |        | HR2338 (Lo-16bits)                   |
| HR2340           | IMERX:IL1 Reactive Current Pri.            | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2341           |                                            |        |        | HR2340 (Lo-16bits)                   |
| HR2342           | IMERX:IL2 Resistive Current Pri.           | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2343           |                                            |        |        | HR2342 (Lo-16bits)                   |
| HR2344           | IMERX:IL2 Reactive Current Pri.            | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2345           |                                            |        |        | HR2344 (Lo-16bits)                   |

| Holding Register | Parameter                                 | Access | Length |                                      |
|------------------|-------------------------------------------|--------|--------|--------------------------------------|
| HR2346           | IMERX:IL3 Resistive Current Pri.          | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2347           |                                           |        |        | HR2346 (Lo-16bits)                   |
| HR2348           | IMERX:IL3 Reactive Current Pri.           | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2349           |                                           |        |        | HR2348 (Lo-16bits)                   |
| HR2350           | IMERX:Pos.seq. Resistive Current Pri.     | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2351           |                                           |        |        | HR2350 (Lo-16bits)                   |
| HR2352           | IMERX:Pos.Seq. Reactive Current Pri.      | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2353           |                                           |        |        | HR2352 (Lo-16bits)                   |
| HR2354           | IMERX:I01 Residual Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2355           |                                           |        |        | HR2354 (Lo-16bits)                   |
| HR2356           | IMERX:I01 Residual Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2357           |                                           |        |        | HR2356 (Lo-16bits)                   |
| HR2358           | IMERX:I02 Residual Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2359           |                                           |        |        | HR2358 (Lo-16bits)                   |
| HR2360           | IMERX:I02 Residual Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2361           |                                           |        |        | HR2360 (Lo-16bits)                   |
| HR2362           | IMERX:I01 Residual Resistive Current Sec. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2363           |                                           |        |        | HR2362 (Lo-16bits)                   |
| HR2364           | IMERX:I01 Residual Reactive Current Sec.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2365           |                                           |        |        | HR2364 (Lo-16bits)                   |
| HR2366           | IMERX:I02 Residual Resistive Current Sec. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2367           |                                           |        |        | HR2366 (Lo-16bits)                   |
| HR2368           | IMERX:I02 Residual Reactive Current Sec.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2369           |                                           |        |        | HR2368 (Lo-16bits)                   |

| Holding Register | Parameter                           | Access | Length |                                                                 |
|------------------|-------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2370           | POW1:3PH PF                         | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                          |
| HR2371           |                                     |        |        | HR2370 (Lo-16bits)                                              |
| HR2372           | ROC1:ldrw> condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2373           | ROC1:ldrw> Current direction        | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2374           | ROC2:ldrw>> condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2375           | ROC2:ldrw>> Current direction       | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2376           | ROC3:ldrw>>> condition              | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2377           | ROC3:ldrw>>> Current direction      | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2378           | ROC4:ldrw>>>> condition             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2379           | ROC4:ldrw>>>> Current direction     | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2380           | ROC5:ldrw>>>>> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2381           | ROC5:ldrw>>>>> Current direction    | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2382           | ROC6:ldrw>>>>>> condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2383           | ROC6:ldrw>>>>>> Current direction   | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2384           | ROC7:ldrw>>>>>>> condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2385           | ROC7:ldrw>>>>>>> Current direction  | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2386           | ROC8:ldrw>>>>>>>> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2387           | ROC8:ldrw>>>>>>>> Current direction | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2388           | ROV1:Urw>/< condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2389           | ROV2:Urw>>/<< condition             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2390           | ROV3:Urw>>>/<<< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2391           | ROV4:Urw>>>>/<<<< condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2392           | UCP1:IUC> condition                 | R      | 1      | 0=Normal;1=Blocked;2=Start On (Alarm);3=Start On (Alarm & Trip) |
| HR2393           | TOLM1:TM> Setting alarm             | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |

| Holding Register | Parameter                     | Access | Length |                                                                 |
|------------------|-------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2394           | TOLM1:TM> Setting alarm       | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2395           | TOLM1:TM> Setting alarm       | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2396           | TOLM1:TM> Setting alarm       | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2397           | RHC1:Counter is now           | R      | 1      | 0=Idle;1=Counting                                               |
| HR2398           | RHC1:Running hours            | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits)                             |
| HR2399           |                               |        |        | HR2398 (Lo-16bits)                                              |
| HR2400           | PWR1:PQS>/< condition         | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |
| HR2401           | PWR2:PQS>>/<< condition       | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |
| HR2402           | PWR3:PQS>>>/<<< condition     | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |
| HR2403           | PWR4:PQS>>>>/<<<< condition   | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |
| HR2404           | RTDIN:S1 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2405           |                               |        |        | HR2404 (Lo-16bits)                                              |
| HR2406           | RTDIN:S2 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2407           |                               |        |        | HR2406 (Lo-16bits)                                              |
| HR2408           | RTDIN:S3 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2409           |                               |        |        | HR2408 (Lo-16bits)                                              |
| HR2410           | RTDIN:S4 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2411           |                               |        |        | HR2410 (Lo-16bits)                                              |
| HR2412           | RTDIN:S5 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2413           |                               |        |        | HR2412 (Lo-16bits)                                              |
| HR2414           | RTDIN:S6 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2415           |                               |        |        | HR2414 (Lo-16bits)                                              |
| HR2416           | RTDIN:S7 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2417           |                               |        |        | HR2416 (Lo-16bits)                                              |
| HR2418           | RTDIN:S8 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |

| Holding Register | Parameter                                      | Access | Length |                                                                 |
|------------------|------------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2419           |                                                |        |        | HR2418 (Lo-16bits)                                              |
| HR2420           | RTDIN:S9 Filtered measurement                  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2421           |                                                |        |        | HR2420 (Lo-16bits)                                              |
| HR2422           | RTDIN:S10 Filtered measurement                 | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2423           |                                                |        |        | HR2422 (Lo-16bits)                                              |
| HR2424           | RTDIN:S11 Filtered measurement                 | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2425           |                                                |        |        | HR2424 (Lo-16bits)                                              |
| HR2426           | RTDIN:S12 Filtered measurement                 | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2427           |                                                |        |        | HR2426 (Lo-16bits)                                              |
| HR2428           | RTDIN:S13 Filtered measurement                 | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2429           |                                                |        |        | HR2428 (Lo-16bits)                                              |
| HR2430           | RTDIN:S14 Filtered measurement                 | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2431           |                                                |        |        | HR2430 (Lo-16bits)                                              |
| HR2432           | RTDIN:S15 Filtered measurement                 | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2433           |                                                |        |        | HR2432 (Lo-16bits)                                              |
| HR2434           | RTDIN:S16 Filtered measurement                 | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2435           |                                                |        |        | HR2434 (Lo-16bits)                                              |
| HR2436           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2437           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2438           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2439           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2440           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2441           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2442           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2443           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2444           | POW1:Apparent Energy (S) while Export (P) MVAh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |

| Holding Register | Parameter                                                                 | Access | Length |                                              |
|------------------|---------------------------------------------------------------------------|--------|--------|----------------------------------------------|
| HR2445           |                                                                           |        |        | HR2444 (Lo-16bits)                           |
| HR2446           | POW1:Apparent Energy (S) while Export (P) kVAh                            | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2447           |                                                                           |        |        | HR2446 (Lo-16bits)                           |
| HR2448           | POW1:Apparent Energy (S) while Import (P) MVAh                            | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2449           |                                                                           |        |        | HR2448 (Lo-16bits)                           |
| HR2450           | POW1:Apparent Energy (S) while Import (P) kVAh                            | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2451           |                                                                           |        |        | HR2450 (Lo-16bits)                           |
| HR2452           | POW1:Apparent Energy (S) Net                                              | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2453           |                                                                           |        |        | HR2452 (Lo-16bits)                           |
| HR2454           | POW1:Real Energy (P) Net                                                  | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2455           |                                                                           |        |        | HR2454 (Lo-16bits)                           |
| HR2456           | POW1:Reactive Energy (Q) Net                                              | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2457           |                                                                           |        |        | HR2456 (Lo-16bits)                           |
| HR2458           | POW1:Real Energy (P) Supply (Default supply direction towards busbar)     | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2459           |                                                                           |        |        | HR2458 (Lo-16bits)                           |
| HR2460           | POW1:Reactive Energy (Q) Supply (Default supply direction towards busbar) | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2461           |                                                                           |        |        | HR2460 (Lo-16bits)                           |
| HR2462           | POW1:Real Energy (P) Demand (Default demand direction from busbar)        | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2463           |                                                                           |        |        | HR2462 (Lo-16bits)                           |
| HR2464           | POW1:Reactive Energy (Q) Demand (Default demand direction from busbar)    | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2465           |                                                                           |        |        | HR2464 (Lo-16bits)                           |
| HR2466           | M1CT1:Phase CT primary                                                    | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)                |
| HR2467           |                                                                           |        |        | HR2466 (Lo-16bits)                           |

| Holding Register | Parameter                  | Access | Length |                                 |
|------------------|----------------------------|--------|--------|---------------------------------|
| HR2468           | M1CT1:Phase CT secondary   | R(W)   | 2      | FLOAT [0.2...20] (Hi-16bits)    |
| HR2469           |                            |        |        | HR2468 (Lo-16bits)              |
| HR2470           | M1CT2:I01 CT primary       | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2471           |                            |        |        | HR2470 (Lo-16bits)              |
| HR2472           | M1CT2:I01 CT secondary     | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)    |
| HR2473           |                            |        |        | HR2472 (Lo-16bits)              |
| HR2474           | M1CT3:I02 CT primary       | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2475           |                            |        |        | HR2474 (Lo-16bits)              |
| HR2476           | M1CT3:I02 CT secondary     | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR2477           |                            |        |        | HR2476 (Lo-16bits)              |
| HR2478           | M2CT1:Phase CT primary     | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)   |
| HR2479           |                            |        |        | HR2478 (Lo-16bits)              |
| HR2480           | M2CT1:Phase CT secondary   | R(W)   | 2      | FLOAT [0.2...20] (Hi-16bits)    |
| HR2481           |                            |        |        | HR2480 (Lo-16bits)              |
| HR2482           | M2CT2:I"01 CT primary      | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2483           |                            |        |        | HR2482 (Lo-16bits)              |
| HR2484           | M2CT2:I"01 CT secondary    | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)    |
| HR2485           |                            |        |        | HR2484 (Lo-16bits)              |
| HR2486           | M2CT3:I"02 CT primary      | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2487           |                            |        |        | HR2486 (Lo-16bits)              |
| HR2488           | M2CT3:I"02 CT secondary    | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR2489           |                            |        |        | HR2488 (Lo-16bits)              |
| HR2490           | M1VT1:VT primary           | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2491           |                            |        |        | HR2490 (Lo-16bits)              |
| HR2492           | M1VT1:VT secondary         | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR2493           |                            |        |        | HR2492 (Lo-16bits)              |
| HR2494           | M1VT1:U3 Res/SS VT primary | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2495           |                            |        |        | HR2494 (Lo-16bits)              |

| Holding Register | Parameter                    | Access | Length |                                                   |
|------------------|------------------------------|--------|--------|---------------------------------------------------|
| HR2496           | M1VT1:U3 Res/SS VT secondary | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)                     |
| HR2497           |                              |        |        | HR2496 (Lo-16bits)                                |
| HR2498           | M1VT1:U4 Res/SS VT primary   | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits)                   |
| HR2499           |                              |        |        | HR2498 (Lo-16bits)                                |
| HR2500           | M1VT1:U4 Res/SS VT secondary | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)                     |
| HR2501           |                              |        |        | HR2500 (Lo-16bits)                                |
| HR2502           | TOLT1:TT> Thermal cap used   | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2503           |                              |        |        | HR2502 (Lo-16bits)                                |
| HR2504           | TOLF1:TF> Thermal cap used   | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2505           |                              |        |        | HR2504 (Lo-16bits)                                |
| HR2506           | TOLM1:TM> Thermal cap used   | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2507           |                              |        |        | HR2506 (Lo-16bits)                                |
| HR2508           | GSYN:Magnitude side A        | R      | 2      | FLOAT [0.000...200.000] (Hi-16bits)               |
| HR2509           |                              |        |        | HR2508 (Lo-16bits)                                |
| HR2510           | GSYN:Magnitude side B        | R      | 2      | FLOAT [0.000...200.000] (Hi-16bits)               |
| HR2511           |                              |        |        | HR2510 (Lo-16bits)                                |
| HR2512           | GSYN:Frequency side A        | R      | 2      | FLOAT [0.000...75.000] (Hi-16bits)                |
| HR2513           |                              |        |        | HR2512 (Lo-16bits)                                |
| HR2514           | GSYN:Frequency side B        | R      | 2      | FLOAT [0.000...75.000] (Hi-16bits)                |
| HR2515           |                              |        |        | HR2514 (Lo-16bits)                                |
| HR2516           | GSYN:Synchronizing by        | RW     | 1      | 0=Autosynchronizer;1=Manual commands              |
| HR2517           | GSYN:Manual switching mode   | RW     | 1      | 0=Assisted synchroswitch;1=I know what I am doing |
| HR2518           | GSYN:Manual increase voltage | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2519           |                              |        |        | HR2518 (Lo-16bits)                                |
| HR2520           | GSYN:Manual decrease voltage | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2521           |                              |        |        | HR2520 (Lo-16bits)                                |



| Holding Register | Parameter                      | Access | Length |                                         |
|------------------|--------------------------------|--------|--------|-----------------------------------------|
| HR2522           | GSYN:Manual increase frequency | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2523           |                                |        |        | HR2522 (Lo-16bits)                      |
| HR2524           | GSYN:Manual decrease frequency | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2525           |                                |        |        | HR2524 (Lo-16bits)                      |
| HR2526           | GSYN:Manual Close Breaker      | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2527           |                                |        |        | HR2526 (Lo-16bits)                      |
| HR2528           | ARC1:I/O Arc> S1 Sensor fault  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2529           |                                |        |        | HR2528 (Lo-16bits)                      |
| HR2530           | ARC1:I/O Arc> S2 Sensor fault  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2531           |                                |        |        | HR2530 (Lo-16bits)                      |
| HR2532           | ARC1:I/O Arc> S3 Sensor fault  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2533           |                                |        |        | HR2532 (Lo-16bits)                      |
| HR2534           | ARC1:I/O Arc> S4 Sensor fault  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2535           |                                |        |        | HR2534 (Lo-16bits)                      |
| HR2536           | ARC1:I/O Arc> IO unit fault    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2537           |                                |        |        | HR2536 (Lo-16bits)                      |
| HR2538           | DIGI:DI1 Counter               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2539           |                                |        |        | HR2538 (Lo-16bits)                      |
| HR2540           | DIGI:DI1 Counter Clear         | RW     | 1      | 0=-;1=Clear                             |
| HR2541           | DIGI:DI2 Counter               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2542           |                                |        |        | HR2541 (Lo-16bits)                      |
| HR2543           | DIGI:DI2 Counter Clear         | RW     | 1      | 0=-;1=Clear                             |
| HR2544           | DIGI:DI3 Counter               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2545           |                                |        |        | HR2544 (Lo-16bits)                      |
| HR2546           | DIGI:DI3 Counter Clear         | RW     | 1      | 0=-;1=Clear                             |
| HR2547           | DIGI:DI4 Counter               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2548           |                                |        |        | HR2547 (Lo-16bits)                      |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2549           | DIGI:DI4 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2550           | DIGI:DI5 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2551           |                         |        |        | HR2550 (Lo-16bits)                  |
| HR2552           | DIGI:DI5 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2553           | DIGI:DI6 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2554           |                         |        |        | HR2553 (Lo-16bits)                  |
| HR2555           | DIGI:DI6 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2556           | DIGI:DI7 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2557           |                         |        |        | HR2556 (Lo-16bits)                  |
| HR2558           | DIGI:DI7 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2559           | DIGI:DI8 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2560           |                         |        |        | HR2559 (Lo-16bits)                  |
| HR2561           | DIGI:DI8 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2562           | DIGI:DI9 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2563           |                         |        |        | HR2562 (Lo-16bits)                  |
| HR2564           | DIGI:DI9 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2565           | DIGI:DI10 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2566           |                         |        |        | HR2565 (Lo-16bits)                  |
| HR2567           | DIGI:DI10 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2568           | DIGI:DI11 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2569           |                         |        |        | HR2568 (Lo-16bits)                  |
| HR2570           | DIGI:DI11 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2571           | DIGI:DI12 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2572           |                         |        |        | HR2571 (Lo-16bits)                  |
| HR2573           | DIGI:DI12 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2574           | DIGI:DI13 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2575           |                         |        |        | HR2574 (Lo-16bits)                  |
| HR2576           | DIGI:DI13 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2577           | DIGI:DI14 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2578           |                         |        |        | HR2577 (Lo-16bits)                  |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2579           | DIGI:DI14 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2580           | DIGI:DI15 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2581           |                         |        |        | HR2580 (Lo-16bits)                  |
| HR2582           | DIGI:DI15 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2583           | DIGI:DI16 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2584           |                         |        |        | HR2583 (Lo-16bits)                  |
| HR2585           | DIGI:DI16 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2586           | DIGI:DI17 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2587           |                         |        |        | HR2586 (Lo-16bits)                  |
| HR2588           | DIGI:DI17 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2589           | DIGI:DI18 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2590           |                         |        |        | HR2589 (Lo-16bits)                  |
| HR2591           | DIGI:DI18 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2592           | DIGI:DI19 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2593           |                         |        |        | HR2592 (Lo-16bits)                  |
| HR2594           | DIGI:DI19 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2595           | DIGI:DI20 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2596           |                         |        |        | HR2595 (Lo-16bits)                  |
| HR2597           | DIGI:DI20 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2598           | DIGI:DI21 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2599           |                         |        |        | HR2598 (Lo-16bits)                  |
| HR2600           | DIGI:DI21 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2601           | DIGI:DI22 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2602           |                         |        |        | HR2601 (Lo-16bits)                  |
| HR2603           | DIGI:DI22 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2604           | DIGI:DI23 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2605           |                         |        |        | HR2604 (Lo-16bits)                  |
| HR2606           | DIGI:DI23 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2607           | DIGI:DI24 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2608           |                         |        |        | HR2607 (Lo-16bits)                  |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2609           | DIGI:DI24 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2610           | DIGI:DI25 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2611           |                         |        |        | HR2610 (Lo-16bits)                  |
| HR2612           | DIGI:DI25 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2613           | DIGI:DI26 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2614           |                         |        |        | HR2613 (Lo-16bits)                  |
| HR2615           | DIGI:DI26 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2616           | DIGI:DI27 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2617           |                         |        |        | HR2616 (Lo-16bits)                  |
| HR2618           | DIGI:DI27 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2619           | DIGI:DI28 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2620           |                         |        |        | HR2619 (Lo-16bits)                  |
| HR2621           | DIGI:DI28 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2622           | DIGI:DI29 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2623           |                         |        |        | HR2622 (Lo-16bits)                  |
| HR2624           | DIGI:DI29 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2625           | DIGI:DI30 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2626           |                         |        |        | HR2625 (Lo-16bits)                  |
| HR2627           | DIGI:DI30 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2628           | DIGI:DI31 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2629           |                         |        |        | HR2628 (Lo-16bits)                  |
| HR2630           | DIGI:DI31 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2631           | DIGI:DI32 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2632           |                         |        |        | HR2631 (Lo-16bits)                  |
| HR2633           | DIGI:DI32 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2634           | DIGI:DI33 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2635           |                         |        |        | HR2634 (Lo-16bits)                  |
| HR2636           | DIGI:DI33 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2637           | DIGI:DI34 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2638           |                         |        |        | HR2637 (Lo-16bits)                  |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2639           | DIGI:DI34 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2640           | DIGI:DI35 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2641           |                         |        |        | HR2640 (Lo-16bits)                  |
| HR2642           | DIGI:DI35 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2643           | DIGI:DI36 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2644           |                         |        |        | HR2643 (Lo-16bits)                  |
| HR2645           | DIGI:DI36 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2646           | DIGI:DI37 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2647           |                         |        |        | HR2646 (Lo-16bits)                  |
| HR2648           | DIGI:DI37 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2649           | DIGI:DI38 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2650           |                         |        |        | HR2649 (Lo-16bits)                  |
| HR2651           | DIGI:DI38 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2652           | DIGI:DI39 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2653           |                         |        |        | HR2652 (Lo-16bits)                  |
| HR2654           | DIGI:DI39 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2655           | DIGI:DI40 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2656           |                         |        |        | HR2655 (Lo-16bits)                  |
| HR2657           | DIGI:DI40 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2658           | DIGI:DI41 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2659           |                         |        |        | HR2658 (Lo-16bits)                  |
| HR2660           | DIGI:DI41 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2661           | DIGI:DI42 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2662           |                         |        |        | HR2661 (Lo-16bits)                  |
| HR2663           | DIGI:DI42 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2664           | DIGI:DI43 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2665           |                         |        |        | HR2664 (Lo-16bits)                  |
| HR2666           | DIGI:DI43 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2667           | DIGI:DI44 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2668           |                         |        |        | HR2667 (Lo-16bits)                  |

| Holding Register | Parameter                 | Access | Length |                                     |
|------------------|---------------------------|--------|--------|-------------------------------------|
| HR2669           | DIGI:DI44 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2670           | DIGI:DI45 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2671           |                           |        |        | HR2670 (Lo-16bits)                  |
| HR2672           | DIGI:DI45 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2673           | DIGI:DI46 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2674           |                           |        |        | HR2673 (Lo-16bits)                  |
| HR2675           | DIGI:DI46 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2676           | DIGI:DI47 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2677           |                           |        |        | HR2676 (Lo-16bits)                  |
| HR2678           | DIGI:DI47 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2679           | DIGI:DI48 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2680           |                           |        |        | HR2679 (Lo-16bits)                  |
| HR2681           | DIGI:DI48 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2682           | DIGI:DI49 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2683           |                           |        |        | HR2682 (Lo-16bits)                  |
| HR2684           | DIGI:DI49 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2685           | DIGI:DI50 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2686           |                           |        |        | HR2685 (Lo-16bits)                  |
| HR2687           | DIGI:DI50 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2688           | DIGI:DI51 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2689           |                           |        |        | HR2688 (Lo-16bits)                  |
| HR2690           | DIGI:DI51 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2691           | RHC1:Start count          | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2692           |                           |        |        | HR2691 (Lo-16bits)                  |
| HR2693           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2694           |                           |        |        | HR2693 (Lo-16bits)                  |
| HR2695           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2696           |                           |        |        | HR2695 (Lo-16bits)                  |
| HR2697           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2698           |                           |        |        | HR2697 (Lo-16bits)                  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2699           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2700           |                                              |        |        | HR2699 (Lo-16bits)           |
| HR2701           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2702           |                                              |        |        | HR2701 (Lo-16bits)           |
| HR2703           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2704           |                                              |        |        | HR2703 (Lo-16bits)           |
| HR2705           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2706           |                                              |        |        | HR2705 (Lo-16bits)           |
| HR2707           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2708           |                                              |        |        | HR2707 (Lo-16bits)           |
| HR2709           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2710           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2711           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2712           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2713           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2714           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2715           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2716           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2717           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2718           |                                              |        |        | HR2717 (Lo-16bits)           |
| HR2719           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2720           |                                              |        |        | HR2719 (Lo-16bits)           |
| HR2721           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2722           |                                              |        |        | HR2721 (Lo-16bits)           |
| HR2723           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2724           |                                              |        |        | HR2723 (Lo-16bits)           |
| HR2725           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2726           |                                              |        |        | HR2725 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2727           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2728           |                                              |        |        | HR2727 (Lo-16bits)                                          |
| HR2729           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2730           |                                              |        |        | HR2729 (Lo-16bits)                                          |
| HR2731           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2732           |                                              |        |        | HR2731 (Lo-16bits)                                          |
| HR2733           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2734           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2735           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2736           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2737           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2738           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2739           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2740           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2741           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2742           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2743           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2744           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2745           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2746           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2747           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2748           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2749           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2750           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |



| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR2751           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2752           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2753           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2754           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2755           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2756           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2757           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2758           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2759           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2760           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2761           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2762           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2763           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2764           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2765           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2766           |                               |        |        | HR2765 (Lo-16bits)                                          |
| HR2767           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2768           |                               |        |        | HR2767 (Lo-16bits)                                          |
| HR2769           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2770           |                               |        |        | HR2769 (Lo-16bits)                                          |
| HR2771           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2772           |                               |        |        | HR2771 (Lo-16bits)                                          |
| HR2773           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR2774           |                          |        |        | HR2773 (Lo-16bits)            |
| HR2775           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2776           |                          |        |        | HR2775 (Lo-16bits)            |
| HR2777           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2778           |                          |        |        | HR2777 (Lo-16bits)            |
| HR2779           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2780           |                          |        |        | HR2779 (Lo-16bits)            |
| HR2781           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2782           |                          |        |        | HR2781 (Lo-16bits)            |
| HR2783           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2784           |                          |        |        | HR2783 (Lo-16bits)            |
| HR2785           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2786           |                          |        |        | HR2785 (Lo-16bits)            |
| HR2787           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2788           |                          |        |        | HR2787 (Lo-16bits)            |
| HR2789           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2790           |                          |        |        | HR2789 (Lo-16bits)            |
| HR2791           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2792           |                          |        |        | HR2791 (Lo-16bits)            |
| HR2793           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2794           |                          |        |        | HR2793 (Lo-16bits)            |
| HR2795           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2796           |                          |        |        | HR2795 (Lo-16bits)            |
| HR2797           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2798           |                          |        |        | HR2797 (Lo-16bits)            |
| HR2799           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2800           |                          |        |        | HR2799 (Lo-16bits)            |
| HR2801           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2802           |                          |        |        | HR2801 (Lo-16bits)            |
| HR2803           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR2804           |                                                    |        |        | HR2803 (Lo-16bits)          |
| HR2805           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2806           |                                                    |        |        | HR2805 (Lo-16bits)          |
| HR2807           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2808           |                                                    |        |        | HR2807 (Lo-16bits)          |
| HR2809           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2810           |                                                    |        |        | HR2809 (Lo-16bits)          |
| HR2811           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2812           |                                                    |        |        | HR2811 (Lo-16bits)          |
| HR2813           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2814           |                                                    |        |        | HR2813 (Lo-16bits)          |
| HR2815           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2816           |                                                    |        |        | HR2815 (Lo-16bits)          |
| HR2817           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2818           |                                                    |        |        | HR2817 (Lo-16bits)          |
| HR2819           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2820           |                                                    |        |        | HR2819 (Lo-16bits)          |
| HR2821           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2822           |                                                    |        |        | HR2821 (Lo-16bits)          |
| HR2823           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2824           |                                                    |        |        | HR2823 (Lo-16bits)          |
| HR2825           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2826           |                                                    |        |        | HR2825 (Lo-16bits)          |
| HR2827           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2828           |                                                    |        |        | HR2827 (Lo-16bits)          |
| HR2829           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2830           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2831           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR2832           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2833           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2834           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2835           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2836           | NOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR2837           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2838           |                                                                         |        |        | HR2837 (Lo-16bits)           |
| HR2839           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2840           |                                                                         |        |        | HR2839 (Lo-16bits)           |
| HR2841           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2842           |                                                                         |        |        | HR2841 (Lo-16bits)           |
| HR2843           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2844           |                                                                         |        |        | HR2843 (Lo-16bits)           |
| HR2845           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2846           |                                                                         |        |        | HR2845 (Lo-16bits)           |
| HR2847           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2848           |                                                                         |        |        | HR2847 (Lo-16bits)           |
| HR2849           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2850           |                                                                         |        |        | HR2849 (Lo-16bits)           |
| HR2851           | NOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2852           |                                                                         |        |        | HR2851 (Lo-16bits)           |
| HR2853           | NOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR2854           | NOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR2855           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2856           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2857           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2858           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2859           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2860           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2861           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2862           |                                            |        |        | HR2861 (Lo-16bits)          |
| HR2863           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2864           |                                            |        |        | HR2863 (Lo-16bits)          |
| HR2865           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2866           |                                            |        |        | HR2865 (Lo-16bits)          |
| HR2867           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2868           |                                            |        |        | HR2867 (Lo-16bits)          |
| HR2869           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2870           |                                            |        |        | HR2869 (Lo-16bits)          |
| HR2871           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2872           |                                            |        |        | HR2871 (Lo-16bits)          |
| HR2873           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2874           |                                            |        |        | HR2873 (Lo-16bits)          |
| HR2875           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2876           |                                            |        |        | HR2875 (Lo-16bits)          |
| HR2877           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2878           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2879           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2880           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2881           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2882           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2883           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2884           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2885           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2886           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2887           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2888           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2889           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2890           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2891           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2892           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2893           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2894           |                                                    |        |        | HR2893 (Lo-16bits)           |
| HR2895           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2896           |                                                    |        |        | HR2895 (Lo-16bits)           |
| HR2897           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2898           |                                                    |        |        | HR2897 (Lo-16bits)           |
| HR2899           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2900           |                                              |        |        | HR2899 (Lo-16bits)           |
| HR2901           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2902           |                                              |        |        | HR2901 (Lo-16bits)           |
| HR2903           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2904           |                                              |        |        | HR2903 (Lo-16bits)           |
| HR2905           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2906           |                                              |        |        | HR2905 (Lo-16bits)           |
| HR2907           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2908           |                                              |        |        | HR2907 (Lo-16bits)           |
| HR2909           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2910           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2911           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2912           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2913           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2914           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2915           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2916           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2917           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2918           |                                              |        |        | HR2917 (Lo-16bits)           |
| HR2919           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2920           |                                              |        |        | HR2919 (Lo-16bits)           |
| HR2921           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2922           |                                              |        |        | HR2921 (Lo-16bits)           |
| HR2923           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2924           |                                              |        |        | HR2923 (Lo-16bits)           |
| HR2925           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2926           |                                              |        |        | HR2925 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2927           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2928           |                                              |        |        | HR2927 (Lo-16bits)                                          |
| HR2929           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2930           |                                              |        |        | HR2929 (Lo-16bits)                                          |
| HR2931           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2932           |                                              |        |        | HR2931 (Lo-16bits)                                          |
| HR2933           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2934           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2935           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2936           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2937           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2938           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2939           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2940           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2941           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2942           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2943           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2944           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2945           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2946           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2947           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2948           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2949           | NOC2:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2950           | NOC2:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |



| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR2951           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2952           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2953           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2954           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2955           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2956           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2957           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2958           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2959           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2960           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2961           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2962           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2963           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2964           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2965           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2966           |                               |        |        | HR2965 (Lo-16bits)                                          |
| HR2967           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2968           |                               |        |        | HR2967 (Lo-16bits)                                          |
| HR2969           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2970           |                               |        |        | HR2969 (Lo-16bits)                                          |
| HR2971           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2972           |                               |        |        | HR2971 (Lo-16bits)                                          |
| HR2973           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR2974           |                          |        |        | HR2973 (Lo-16bits)            |
| HR2975           | NOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2976           |                          |        |        | HR2975 (Lo-16bits)            |
| HR2977           | NOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2978           |                          |        |        | HR2977 (Lo-16bits)            |
| HR2979           | NOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2980           |                          |        |        | HR2979 (Lo-16bits)            |
| HR2981           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2982           |                          |        |        | HR2981 (Lo-16bits)            |
| HR2983           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2984           |                          |        |        | HR2983 (Lo-16bits)            |
| HR2985           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2986           |                          |        |        | HR2985 (Lo-16bits)            |
| HR2987           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2988           |                          |        |        | HR2987 (Lo-16bits)            |
| HR2989           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2990           |                          |        |        | HR2989 (Lo-16bits)            |
| HR2991           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2992           |                          |        |        | HR2991 (Lo-16bits)            |
| HR2993           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2994           |                          |        |        | HR2993 (Lo-16bits)            |
| HR2995           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2996           |                          |        |        | HR2995 (Lo-16bits)            |
| HR2997           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2998           |                          |        |        | HR2997 (Lo-16bits)            |
| HR2999           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3000           |                          |        |        | HR2999 (Lo-16bits)            |
| HR3001           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3002           |                          |        |        | HR3001 (Lo-16bits)            |
| HR3003           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3004           |                                                    |        |        | HR3003 (Lo-16bits)          |
| HR3005           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3006           |                                                    |        |        | HR3005 (Lo-16bits)          |
| HR3007           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3008           |                                                    |        |        | HR3007 (Lo-16bits)          |
| HR3009           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3010           |                                                    |        |        | HR3009 (Lo-16bits)          |
| HR3011           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3012           |                                                    |        |        | HR3011 (Lo-16bits)          |
| HR3013           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3014           |                                                    |        |        | HR3013 (Lo-16bits)          |
| HR3015           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3016           |                                                    |        |        | HR3015 (Lo-16bits)          |
| HR3017           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3018           |                                                    |        |        | HR3017 (Lo-16bits)          |
| HR3019           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3020           |                                                    |        |        | HR3019 (Lo-16bits)          |
| HR3021           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3022           |                                                    |        |        | HR3021 (Lo-16bits)          |
| HR3023           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3024           |                                                    |        |        | HR3023 (Lo-16bits)          |
| HR3025           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3026           |                                                    |        |        | HR3025 (Lo-16bits)          |
| HR3027           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3028           |                                                    |        |        | HR3027 (Lo-16bits)          |
| HR3029           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3030           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3031           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3032           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3033           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3034           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3035           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3036           | NOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3037           | NOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3038           |                                                                         |        |        | HR3037 (Lo-16bits)           |
| HR3039           | NOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3040           |                                                                         |        |        | HR3039 (Lo-16bits)           |
| HR3041           | NOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3042           |                                                                         |        |        | HR3041 (Lo-16bits)           |
| HR3043           | NOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3044           |                                                                         |        |        | HR3043 (Lo-16bits)           |
| HR3045           | NOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3046           |                                                                         |        |        | HR3045 (Lo-16bits)           |
| HR3047           | NOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3048           |                                                                         |        |        | HR3047 (Lo-16bits)           |
| HR3049           | NOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3050           |                                                                         |        |        | HR3049 (Lo-16bits)           |
| HR3051           | NOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3052           |                                                                         |        |        | HR3051 (Lo-16bits)           |
| HR3053           | NOC2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3054           | NOC2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3055           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3056           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3057           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3058           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3059           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3060           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3061           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3062           |                                            |        |        | HR3061 (Lo-16bits)          |
| HR3063           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3064           |                                            |        |        | HR3063 (Lo-16bits)          |
| HR3065           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3066           |                                            |        |        | HR3065 (Lo-16bits)          |
| HR3067           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3068           |                                            |        |        | HR3067 (Lo-16bits)          |
| HR3069           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3070           |                                            |        |        | HR3069 (Lo-16bits)          |
| HR3071           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3072           |                                            |        |        | HR3071 (Lo-16bits)          |
| HR3073           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3074           |                                            |        |        | HR3073 (Lo-16bits)          |
| HR3075           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3076           |                                            |        |        | HR3075 (Lo-16bits)          |
| HR3077           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3078           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3079           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3080           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3081           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3082           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3083           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3084           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3085           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3086           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3087           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3088           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3089           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3090           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3091           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3092           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3093           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3094           |                                                    |        |        | HR3093 (Lo-16bits)           |
| HR3095           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3096           |                                                    |        |        | HR3095 (Lo-16bits)           |
| HR3097           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3098           |                                                    |        |        | HR3097 (Lo-16bits)           |
| HR3099           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3100           |                                              |        |        | HR3099 (Lo-16bits)           |
| HR3101           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3102           |                                              |        |        | HR3101 (Lo-16bits)           |
| HR3103           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3104           |                                              |        |        | HR3103 (Lo-16bits)           |
| HR3105           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3106           |                                              |        |        | HR3105 (Lo-16bits)           |
| HR3107           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3108           |                                              |        |        | HR3107 (Lo-16bits)           |
| HR3109           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3110           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3111           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3112           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3113           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3114           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3115           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3116           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3117           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3118           |                                              |        |        | HR3117 (Lo-16bits)           |
| HR3119           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3120           |                                              |        |        | HR3119 (Lo-16bits)           |
| HR3121           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3122           |                                              |        |        | HR3121 (Lo-16bits)           |
| HR3123           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3124           |                                              |        |        | HR3123 (Lo-16bits)           |
| HR3125           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3126           |                                              |        |        | HR3125 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR3127           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR3128           |                                              |        |        | HR3127 (Lo-16bits)                                          |
| HR3129           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR3130           |                                              |        |        | HR3129 (Lo-16bits)                                          |
| HR3131           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR3132           |                                              |        |        | HR3131 (Lo-16bits)                                          |
| HR3133           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3134           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3135           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3136           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3137           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3138           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3139           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3140           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3141           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3142           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3143           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3144           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3145           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3146           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3147           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3148           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3149           | NOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3150           | NOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |



| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3151           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3152           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3153           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3154           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3155           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3156           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3157           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3158           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3159           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3160           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3161           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3162           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3163           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3164           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3165           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3166           |                               |        |        | HR3165 (Lo-16bits)                                          |
| HR3167           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3168           |                               |        |        | HR3167 (Lo-16bits)                                          |
| HR3169           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3170           |                               |        |        | HR3169 (Lo-16bits)                                          |
| HR3171           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3172           |                               |        |        | HR3171 (Lo-16bits)                                          |
| HR3173           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR3174           |                          |        |        | HR3173 (Lo-16bits)            |
| HR3175           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3176           |                          |        |        | HR3175 (Lo-16bits)            |
| HR3177           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3178           |                          |        |        | HR3177 (Lo-16bits)            |
| HR3179           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3180           |                          |        |        | HR3179 (Lo-16bits)            |
| HR3181           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3182           |                          |        |        | HR3181 (Lo-16bits)            |
| HR3183           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3184           |                          |        |        | HR3183 (Lo-16bits)            |
| HR3185           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3186           |                          |        |        | HR3185 (Lo-16bits)            |
| HR3187           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3188           |                          |        |        | HR3187 (Lo-16bits)            |
| HR3189           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3190           |                          |        |        | HR3189 (Lo-16bits)            |
| HR3191           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3192           |                          |        |        | HR3191 (Lo-16bits)            |
| HR3193           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3194           |                          |        |        | HR3193 (Lo-16bits)            |
| HR3195           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3196           |                          |        |        | HR3195 (Lo-16bits)            |
| HR3197           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3198           |                          |        |        | HR3197 (Lo-16bits)            |
| HR3199           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3200           |                          |        |        | HR3199 (Lo-16bits)            |
| HR3201           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3202           |                          |        |        | HR3201 (Lo-16bits)            |
| HR3203           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3204           |                                                    |        |        | HR3203 (Lo-16bits)          |
| HR3205           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3206           |                                                    |        |        | HR3205 (Lo-16bits)          |
| HR3207           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3208           |                                                    |        |        | HR3207 (Lo-16bits)          |
| HR3209           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3210           |                                                    |        |        | HR3209 (Lo-16bits)          |
| HR3211           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3212           |                                                    |        |        | HR3211 (Lo-16bits)          |
| HR3213           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3214           |                                                    |        |        | HR3213 (Lo-16bits)          |
| HR3215           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3216           |                                                    |        |        | HR3215 (Lo-16bits)          |
| HR3217           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3218           |                                                    |        |        | HR3217 (Lo-16bits)          |
| HR3219           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3220           |                                                    |        |        | HR3219 (Lo-16bits)          |
| HR3221           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3222           |                                                    |        |        | HR3221 (Lo-16bits)          |
| HR3223           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3224           |                                                    |        |        | HR3223 (Lo-16bits)          |
| HR3225           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3226           |                                                    |        |        | HR3225 (Lo-16bits)          |
| HR3227           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3228           |                                                    |        |        | HR3227 (Lo-16bits)          |
| HR3229           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3230           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3231           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3232           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3233           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3234           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3235           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3236           | NOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3237           | NOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3238           |                                                                         |        |        | HR3237 (Lo-16bits)           |
| HR3239           | NOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3240           |                                                                         |        |        | HR3239 (Lo-16bits)           |
| HR3241           | NOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3242           |                                                                         |        |        | HR3241 (Lo-16bits)           |
| HR3243           | NOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3244           |                                                                         |        |        | HR3243 (Lo-16bits)           |
| HR3245           | NOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3246           |                                                                         |        |        | HR3245 (Lo-16bits)           |
| HR3247           | NOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3248           |                                                                         |        |        | HR3247 (Lo-16bits)           |
| HR3249           | NOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3250           |                                                                         |        |        | HR3249 (Lo-16bits)           |
| HR3251           | NOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3252           |                                                                         |        |        | HR3251 (Lo-16bits)           |
| HR3253           | NOC3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3254           | NOC3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3255           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3256           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3257           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3258           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3259           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3260           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3261           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3262           |                                            |        |        | HR3261 (Lo-16bits)          |
| HR3263           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3264           |                                            |        |        | HR3263 (Lo-16bits)          |
| HR3265           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3266           |                                            |        |        | HR3265 (Lo-16bits)          |
| HR3267           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3268           |                                            |        |        | HR3267 (Lo-16bits)          |
| HR3269           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3270           |                                            |        |        | HR3269 (Lo-16bits)          |
| HR3271           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3272           |                                            |        |        | HR3271 (Lo-16bits)          |
| HR3273           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3274           |                                            |        |        | HR3273 (Lo-16bits)          |
| HR3275           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3276           |                                            |        |        | HR3275 (Lo-16bits)          |
| HR3277           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3278           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3279           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3280           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3281           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3282           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3283           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3284           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3285           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3286           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3287           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3288           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3289           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3290           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3291           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3292           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3293           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3294           |                                                    |        |        | HR3293 (Lo-16bits)           |
| HR3295           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3296           |                                                    |        |        | HR3295 (Lo-16bits)           |
| HR3297           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3298           |                                                    |        |        | HR3297 (Lo-16bits)           |
| HR3299           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3300           |                                              |        |        | HR3299 (Lo-16bits)           |
| HR3301           | NOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3302           |                                              |        |        | HR3301 (Lo-16bits)           |
| HR3303           | NOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3304           |                                              |        |        | HR3303 (Lo-16bits)           |
| HR3305           | NOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3306           |                                              |        |        | HR3305 (Lo-16bits)           |
| HR3307           | NOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3308           |                                              |        |        | HR3307 (Lo-16bits)           |
| HR3309           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3310           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3311           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3312           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3313           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3314           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3315           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3316           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3317           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3318           |                                              |        |        | HR3317 (Lo-16bits)           |
| HR3319           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3320           |                                              |        |        | HR3319 (Lo-16bits)           |
| HR3321           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3322           |                                              |        |        | HR3321 (Lo-16bits)           |
| HR3323           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3324           |                                              |        |        | HR3323 (Lo-16bits)           |
| HR3325           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3326           |                                              |        |        | HR3325 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR3327           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR3328           |                                              |        |        | HR3327 (Lo-16bits)                                          |
| HR3329           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR3330           |                                              |        |        | HR3329 (Lo-16bits)                                          |
| HR3331           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR3332           |                                              |        |        | HR3331 (Lo-16bits)                                          |
| HR3333           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3334           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3335           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3336           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3337           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3338           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3339           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3340           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3341           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3342           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3343           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3344           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3345           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3346           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3347           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3348           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3349           | NOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3350           | NOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |



| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3351           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3352           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3353           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3354           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3355           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3356           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3357           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3358           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3359           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3360           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3361           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3362           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3363           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3364           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3365           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3366           |                               |        |        | HR3365 (Lo-16bits)                                          |
| HR3367           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3368           |                               |        |        | HR3367 (Lo-16bits)                                          |
| HR3369           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3370           |                               |        |        | HR3369 (Lo-16bits)                                          |
| HR3371           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3372           |                               |        |        | HR3371 (Lo-16bits)                                          |
| HR3373           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR3374           |                          |        |        | HR3373 (Lo-16bits)            |
| HR3375           | NOC4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3376           |                          |        |        | HR3375 (Lo-16bits)            |
| HR3377           | NOC4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3378           |                          |        |        | HR3377 (Lo-16bits)            |
| HR3379           | NOC4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3380           |                          |        |        | HR3379 (Lo-16bits)            |
| HR3381           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3382           |                          |        |        | HR3381 (Lo-16bits)            |
| HR3383           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3384           |                          |        |        | HR3383 (Lo-16bits)            |
| HR3385           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3386           |                          |        |        | HR3385 (Lo-16bits)            |
| HR3387           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3388           |                          |        |        | HR3387 (Lo-16bits)            |
| HR3389           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3390           |                          |        |        | HR3389 (Lo-16bits)            |
| HR3391           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3392           |                          |        |        | HR3391 (Lo-16bits)            |
| HR3393           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3394           |                          |        |        | HR3393 (Lo-16bits)            |
| HR3395           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3396           |                          |        |        | HR3395 (Lo-16bits)            |
| HR3397           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3398           |                          |        |        | HR3397 (Lo-16bits)            |
| HR3399           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3400           |                          |        |        | HR3399 (Lo-16bits)            |
| HR3401           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3402           |                          |        |        | HR3401 (Lo-16bits)            |
| HR3403           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3404           |                                                    |        |        | HR3403 (Lo-16bits)          |
| HR3405           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3406           |                                                    |        |        | HR3405 (Lo-16bits)          |
| HR3407           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3408           |                                                    |        |        | HR3407 (Lo-16bits)          |
| HR3409           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3410           |                                                    |        |        | HR3409 (Lo-16bits)          |
| HR3411           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3412           |                                                    |        |        | HR3411 (Lo-16bits)          |
| HR3413           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3414           |                                                    |        |        | HR3413 (Lo-16bits)          |
| HR3415           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3416           |                                                    |        |        | HR3415 (Lo-16bits)          |
| HR3417           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3418           |                                                    |        |        | HR3417 (Lo-16bits)          |
| HR3419           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3420           |                                                    |        |        | HR3419 (Lo-16bits)          |
| HR3421           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3422           |                                                    |        |        | HR3421 (Lo-16bits)          |
| HR3423           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3424           |                                                    |        |        | HR3423 (Lo-16bits)          |
| HR3425           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3426           |                                                    |        |        | HR3425 (Lo-16bits)          |
| HR3427           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3428           |                                                    |        |        | HR3427 (Lo-16bits)          |
| HR3429           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3430           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3431           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3432           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3433           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3434           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3435           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3436           | NOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3437           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3438           |                                                                         |        |        | HR3437 (Lo-16bits)           |
| HR3439           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3440           |                                                                         |        |        | HR3439 (Lo-16bits)           |
| HR3441           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3442           |                                                                         |        |        | HR3441 (Lo-16bits)           |
| HR3443           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3444           |                                                                         |        |        | HR3443 (Lo-16bits)           |
| HR3445           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3446           |                                                                         |        |        | HR3445 (Lo-16bits)           |
| HR3447           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3448           |                                                                         |        |        | HR3447 (Lo-16bits)           |
| HR3449           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3450           |                                                                         |        |        | HR3449 (Lo-16bits)           |
| HR3451           | NOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3452           |                                                                         |        |        | HR3451 (Lo-16bits)           |
| HR3453           | NOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3454           | NOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3455           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3456           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3457           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3458           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3459           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3460           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3461           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3462           |                                            |        |        | HR3461 (Lo-16bits)          |
| HR3463           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3464           |                                            |        |        | HR3463 (Lo-16bits)          |
| HR3465           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3466           |                                            |        |        | HR3465 (Lo-16bits)          |
| HR3467           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3468           |                                            |        |        | HR3467 (Lo-16bits)          |
| HR3469           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3470           |                                            |        |        | HR3469 (Lo-16bits)          |
| HR3471           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3472           |                                            |        |        | HR3471 (Lo-16bits)          |
| HR3473           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3474           |                                            |        |        | HR3473 (Lo-16bits)          |
| HR3475           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3476           |                                            |        |        | HR3475 (Lo-16bits)          |
| HR3477           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3478           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3479           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR3480           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3481           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3482           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3483           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3484           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3485           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3486           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3487           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3488           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3489           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3490           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3491           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3492           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3493           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3494           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3495           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3496           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3497           | DOC1:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3498           | DOC1:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3499           | DOC1:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3500           | DOC1:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3501           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3502           |                                  |        |        | HR3501 (Lo-16bits)             |
| HR3503           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3504           |                                  |        |        | HR3503 (Lo-16bits)             |
| HR3505           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3506           |                                  |        |        | HR3505 (Lo-16bits)             |
| HR3507           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3508           |                                  |        |        | HR3507 (Lo-16bits)             |
| HR3509           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3510           |                                  |        |        | HR3509 (Lo-16bits)             |
| HR3511           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3512           |                                  |        |        | HR3511 (Lo-16bits)             |
| HR3513           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3514           |                                  |        |        | HR3513 (Lo-16bits)             |
| HR3515           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3516           |                                  |        |        | HR3515 (Lo-16bits)             |
| HR3517           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3518           |                                  |        |        | HR3517 (Lo-16bits)             |
| HR3519           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR3520           |                              |        |        | HR3519 (Lo-16bits)             |
| HR3521           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3522           |                              |        |        | HR3521 (Lo-16bits)             |
| HR3523           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3524           |                              |        |        | HR3523 (Lo-16bits)             |
| HR3525           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3526           |                              |        |        | HR3525 (Lo-16bits)             |
| HR3527           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3528           |                              |        |        | HR3527 (Lo-16bits)             |
| HR3529           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3530           |                              |        |        | HR3529 (Lo-16bits)             |
| HR3531           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3532           |                              |        |        | HR3531 (Lo-16bits)             |
| HR3533           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3534           |                              |        |        | HR3533 (Lo-16bits)             |
| HR3535           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3536           |                              |        |        | HR3535 (Lo-16bits)             |
| HR3537           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3538           |                              |        |        | HR3537 (Lo-16bits)             |
| HR3539           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3540           |                              |        |        | HR3539 (Lo-16bits)             |
| HR3541           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3542           |                              |        |        | HR3541 (Lo-16bits)             |
| HR3543           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3544           |                              |        |        | HR3543 (Lo-16bits)             |
| HR3545           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3546           |                              |        |        | HR3545 (Lo-16bits)             |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3547           | DOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3548           |                                              |        |        | HR3547 (Lo-16bits)           |
| HR3549           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3550           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3551           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3552           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3553           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3554           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3555           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3556           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3557           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3558           |                                              |        |        | HR3557 (Lo-16bits)           |
| HR3559           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3560           |                                              |        |        | HR3559 (Lo-16bits)           |
| HR3561           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3562           |                                              |        |        | HR3561 (Lo-16bits)           |
| HR3563           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3564           |                                              |        |        | HR3563 (Lo-16bits)           |
| HR3565           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3566           |                                              |        |        | HR3565 (Lo-16bits)           |
| HR3567           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3568           |                                              |        |        | HR3567 (Lo-16bits)           |
| HR3569           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3570           |                                              |        |        | HR3569 (Lo-16bits)           |
| HR3571           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3572           |                                              |        |        | HR3571 (Lo-16bits)           |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3573           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3574           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3575           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3576           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3577           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3578           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3579           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3580           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3581           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3582           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3583           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3584           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3585           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3586           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3587           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3588           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3589           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3590           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3591           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3592           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3593           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3594           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3595           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3596           | DOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3597           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3598           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3599           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3600           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3601           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3602           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3603           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3604           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3605           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3606           |                               |        |        | HR3605 (Lo-16bits)                                          |
| HR3607           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3608           |                               |        |        | HR3607 (Lo-16bits)                                          |
| HR3609           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3610           |                               |        |        | HR3609 (Lo-16bits)                                          |
| HR3611           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3612           |                               |        |        | HR3611 (Lo-16bits)                                          |
| HR3613           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3614           |                               |        |        | HR3613 (Lo-16bits)                                          |
| HR3615           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3616           |                               |        |        | HR3615 (Lo-16bits)                                          |
| HR3617           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3618           |                               |        |        | HR3617 (Lo-16bits)                                          |
| HR3619           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3620           |                               |        |        | HR3619 (Lo-16bits)                                          |
| HR3621           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                 |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3622           |                    |        |        | HR3621 (Lo-16bits)          |
| HR3623           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3624           |                    |        |        | HR3623 (Lo-16bits)          |
| HR3625           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3626           |                    |        |        | HR3625 (Lo-16bits)          |
| HR3627           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3628           |                    |        |        | HR3627 (Lo-16bits)          |
| HR3629           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3630           |                    |        |        | HR3629 (Lo-16bits)          |
| HR3631           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3632           |                    |        |        | HR3631 (Lo-16bits)          |
| HR3633           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3634           |                    |        |        | HR3633 (Lo-16bits)          |
| HR3635           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3636           |                    |        |        | HR3635 (Lo-16bits)          |
| HR3637           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3638           |                    |        |        | HR3637 (Lo-16bits)          |
| HR3639           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3640           |                    |        |        | HR3639 (Lo-16bits)          |
| HR3641           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3642           |                    |        |        | HR3641 (Lo-16bits)          |
| HR3643           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3644           |                    |        |        | HR3643 (Lo-16bits)          |
| HR3645           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3646           |                    |        |        | HR3645 (Lo-16bits)          |
| HR3647           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3648           |                    |        |        | HR3647 (Lo-16bits)          |
| HR3649           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3650           |                    |        |        | HR3649 (Lo-16bits)          |
| HR3651           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3652           |                                                    |        |        | HR3651 (Lo-16bits)           |
| HR3653           | DOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3654           |                                                    |        |        | HR3653 (Lo-16bits)           |
| HR3655           | DOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3656           |                                                    |        |        | HR3655 (Lo-16bits)           |
| HR3657           | DOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3658           |                                                    |        |        | HR3657 (Lo-16bits)           |
| HR3659           | DOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3660           |                                                    |        |        | HR3659 (Lo-16bits)           |
| HR3661           | DOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3662           |                                                    |        |        | HR3661 (Lo-16bits)           |
| HR3663           | DOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3664           |                                                    |        |        | HR3663 (Lo-16bits)           |
| HR3665           | DOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3666           |                                                    |        |        | HR3665 (Lo-16bits)           |
| HR3667           | DOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3668           |                                                    |        |        | HR3667 (Lo-16bits)           |
| HR3669           | DOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3670           | DOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3671           | DOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3672           | DOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3673           | DOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3674           | DOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3675           | DOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3676           | DOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3677           | DOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR3678           |                                                |        |        | HR3677 (Lo-16bits)           |
| HR3679           | DOC1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3680           |                                                |        |        | HR3679 (Lo-16bits)           |
| HR3681           | DOC1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3682           |                                                |        |        | HR3681 (Lo-16bits)           |
| HR3683           | DOC1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3684           |                                                |        |        | HR3683 (Lo-16bits)           |
| HR3685           | DOC1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3686           |                                                |        |        | HR3685 (Lo-16bits)           |
| HR3687           | DOC1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3688           |                                                |        |        | HR3687 (Lo-16bits)           |
| HR3689           | DOC1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3690           |                                                |        |        | HR3689 (Lo-16bits)           |
| HR3691           | DOC1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3692           |                                                |        |        | HR3691 (Lo-16bits)           |
| HR3693           | DOC1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3694           | DOC1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3695           | DOC1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3696           | DOC1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3697           | DOC1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3698           | DOC1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3699           | DOC1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3700           | DOC1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3701           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3702           |                                                    |        |        | HR3701 (Lo-16bits)          |
| HR3703           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3704           |                                                    |        |        | HR3703 (Lo-16bits)          |
| HR3705           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3706           |                                                    |        |        | HR3705 (Lo-16bits)          |
| HR3707           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3708           |                                                    |        |        | HR3707 (Lo-16bits)          |
| HR3709           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3710           |                                                    |        |        | HR3709 (Lo-16bits)          |
| HR3711           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3712           |                                                    |        |        | HR3711 (Lo-16bits)          |
| HR3713           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3714           |                                                    |        |        | HR3713 (Lo-16bits)          |
| HR3715           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3716           |                                                    |        |        | HR3715 (Lo-16bits)          |
| HR3717           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3718           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3719           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3720           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3721           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3722           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3723           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3724           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3725           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3726           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3727           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3728           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3729           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3730           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3731           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3732           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3733           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3734           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3735           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3736           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3737           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3738           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3739           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3740           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3741           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3742           |                                                    |        |        | HR3741 (Lo-16bits)          |
| HR3743           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |



| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3744           |                                  |        |        | HR3743 (Lo-16bits)             |
| HR3745           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3746           |                                  |        |        | HR3745 (Lo-16bits)             |
| HR3747           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3748           |                                  |        |        | HR3747 (Lo-16bits)             |
| HR3749           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3750           |                                  |        |        | HR3749 (Lo-16bits)             |
| HR3751           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3752           |                                  |        |        | HR3751 (Lo-16bits)             |
| HR3753           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3754           |                                  |        |        | HR3753 (Lo-16bits)             |
| HR3755           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3756           |                                  |        |        | HR3755 (Lo-16bits)             |
| HR3757           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3758           |                                  |        |        | HR3757 (Lo-16bits)             |
| HR3759           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3760           |                                  |        |        | HR3759 (Lo-16bits)             |
| HR3761           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3762           |                                  |        |        | HR3761 (Lo-16bits)             |
| HR3763           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3764           |                                  |        |        | HR3763 (Lo-16bits)             |
| HR3765           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3766           |                                  |        |        | HR3765 (Lo-16bits)             |
| HR3767           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR3768           |                              |        |        | HR3767 (Lo-16bits)             |
| HR3769           | DOC2:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3770           |                              |        |        | HR3769 (Lo-16bits)             |
| HR3771           | DOC2:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3772           |                              |        |        | HR3771 (Lo-16bits)             |
| HR3773           | DOC2:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3774           |                              |        |        | HR3773 (Lo-16bits)             |
| HR3775           | DOC2:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3776           |                              |        |        | HR3775 (Lo-16bits)             |
| HR3777           | DOC2:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3778           |                              |        |        | HR3777 (Lo-16bits)             |
| HR3779           | DOC2:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3780           |                              |        |        | HR3779 (Lo-16bits)             |
| HR3781           | DOC2:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3782           |                              |        |        | HR3781 (Lo-16bits)             |
| HR3783           | DOC2:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3784           |                              |        |        | HR3783 (Lo-16bits)             |
| HR3785           | DOC2:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3786           |                              |        |        | HR3785 (Lo-16bits)             |
| HR3787           | DOC2:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3788           |                              |        |        | HR3787 (Lo-16bits)             |
| HR3789           | DOC2:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3790           | DOC2:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3791           | DOC2:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3792           | DOC2:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3793           | DOC2:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3794           | DOC2:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3795           | DOC2:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3796           | DOC2:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3797           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3798           |                                              |        |        | HR3797 (Lo-16bits)           |
| HR3799           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3800           |                                              |        |        | HR3799 (Lo-16bits)           |
| HR3801           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3802           |                                              |        |        | HR3801 (Lo-16bits)           |
| HR3803           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3804           |                                              |        |        | HR3803 (Lo-16bits)           |
| HR3805           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3806           |                                              |        |        | HR3805 (Lo-16bits)           |
| HR3807           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3808           |                                              |        |        | HR3807 (Lo-16bits)           |
| HR3809           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3810           |                                              |        |        | HR3809 (Lo-16bits)           |
| HR3811           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3812           |                                              |        |        | HR3811 (Lo-16bits)           |
| HR3813           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3814           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3815           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3816           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3817           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3818           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3819           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3820           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3821           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3822           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3823           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3824           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3825           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3826           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3827           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3828           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3829           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3830           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3831           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3832           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3833           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3834           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3835           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3836           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3837           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3838           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3839           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3840           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3841           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR3842           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3843           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3844           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3845           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3846           |                               |        |        | HR3845 (Lo-16bits)            |
| HR3847           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3848           |                               |        |        | HR3847 (Lo-16bits)            |
| HR3849           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3850           |                               |        |        | HR3849 (Lo-16bits)            |
| HR3851           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3852           |                               |        |        | HR3851 (Lo-16bits)            |
| HR3853           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3854           |                               |        |        | HR3853 (Lo-16bits)            |
| HR3855           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3856           |                               |        |        | HR3855 (Lo-16bits)            |
| HR3857           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3858           |                               |        |        | HR3857 (Lo-16bits)            |
| HR3859           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3860           |                               |        |        | HR3859 (Lo-16bits)            |
| HR3861           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3862           |                               |        |        | HR3861 (Lo-16bits)            |
| HR3863           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3864           |                               |        |        | HR3863 (Lo-16bits)            |
| HR3865           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3866           |                               |        |        | HR3865 (Lo-16bits)            |
| HR3867           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3868           |                               |        |        | HR3867 (Lo-16bits)            |
| HR3869           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3870           |                               |        |        | HR3869 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3871           | DOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3872           |                    |        |        | HR3871 (Lo-16bits)          |
| HR3873           | DOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3874           |                    |        |        | HR3873 (Lo-16bits)          |
| HR3875           | DOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3876           |                    |        |        | HR3875 (Lo-16bits)          |
| HR3877           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3878           |                    |        |        | HR3877 (Lo-16bits)          |
| HR3879           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3880           |                    |        |        | HR3879 (Lo-16bits)          |
| HR3881           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3882           |                    |        |        | HR3881 (Lo-16bits)          |
| HR3883           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3884           |                    |        |        | HR3883 (Lo-16bits)          |
| HR3885           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3886           |                    |        |        | HR3885 (Lo-16bits)          |
| HR3887           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3888           |                    |        |        | HR3887 (Lo-16bits)          |
| HR3889           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3890           |                    |        |        | HR3889 (Lo-16bits)          |
| HR3891           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3892           |                    |        |        | HR3891 (Lo-16bits)          |
| HR3893           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3894           |                    |        |        | HR3893 (Lo-16bits)          |
| HR3895           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3896           |                    |        |        | HR3895 (Lo-16bits)          |
| HR3897           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3898           |                    |        |        | HR3897 (Lo-16bits)          |
| HR3899           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3900           |                    |        |        | HR3899 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3901           | DOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3902           |                                                                         |        |        | HR3901 (Lo-16bits)           |
| HR3903           | DOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3904           |                                                                         |        |        | HR3903 (Lo-16bits)           |
| HR3905           | DOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3906           |                                                                         |        |        | HR3905 (Lo-16bits)           |
| HR3907           | DOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3908           |                                                                         |        |        | HR3907 (Lo-16bits)           |
| HR3909           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3910           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3911           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3912           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3913           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3914           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3915           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3916           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3917           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3918           |                                                                         |        |        | HR3917 (Lo-16bits)           |
| HR3919           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3920           |                                                                         |        |        | HR3919 (Lo-16bits)           |
| HR3921           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3922           |                                                                         |        |        | HR3921 (Lo-16bits)           |
| HR3923           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3924           |                                                                         |        |        | HR3923 (Lo-16bits)           |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3925           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3926           |                                                                         |        |        | HR3925 (Lo-16bits)           |
| HR3927           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3928           |                                                                         |        |        | HR3927 (Lo-16bits)           |
| HR3929           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3930           |                                                                         |        |        | HR3929 (Lo-16bits)           |
| HR3931           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3932           |                                                                         |        |        | HR3931 (Lo-16bits)           |
| HR3933           | DOC2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3934           | DOC2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3935           | DOC2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3936           | DOC2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3937           | DOC2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3938           | DOC2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3939           | DOC2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3940           | DOC2:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3941           | DOC2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3942           |                                                                         |        |        | HR3941 (Lo-16bits)           |
| HR3943           | DOC2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3944           |                                                                         |        |        | HR3943 (Lo-16bits)           |
| HR3945           | DOC2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3946           |                                                                         |        |        | HR3945 (Lo-16bits)           |
| HR3947           | DOC2:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3948           |                                                                         |        |        | HR3947 (Lo-16bits)           |



| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3949           | DOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3950           |                                                    |        |        | HR3949 (Lo-16bits)          |
| HR3951           | DOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3952           |                                                    |        |        | HR3951 (Lo-16bits)          |
| HR3953           | DOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3954           |                                                    |        |        | HR3953 (Lo-16bits)          |
| HR3955           | DOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3956           |                                                    |        |        | HR3955 (Lo-16bits)          |
| HR3957           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3958           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3959           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3960           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3961           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3962           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3963           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3964           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3965           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3966           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3967           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3968           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3969           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3970           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3971           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3972           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3973           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3974           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3975           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3976           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3977           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3978           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3979           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3980           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3981           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3982           |                                                    |        |        | HR3981 (Lo-16bits)          |
| HR3983           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3984           |                                                    |        |        | HR3983 (Lo-16bits)          |
| HR3985           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3986           |                                                    |        |        | HR3985 (Lo-16bits)          |
| HR3987           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3988           |                                                    |        |        | HR3987 (Lo-16bits)          |
| HR3989           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3990           |                                                    |        |        | HR3989 (Lo-16bits)          |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3991           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3992           |                                  |        |        | HR3991 (Lo-16bits)             |
| HR3993           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3994           |                                  |        |        | HR3993 (Lo-16bits)             |
| HR3995           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3996           |                                  |        |        | HR3995 (Lo-16bits)             |
| HR3997           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3998           |                                  |        |        | HR3997 (Lo-16bits)             |
| HR3999           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4000           |                                  |        |        | HR3999 (Lo-16bits)             |
| HR4001           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4002           |                                  |        |        | HR4001 (Lo-16bits)             |
| HR4003           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4004           |                                  |        |        | HR4003 (Lo-16bits)             |
| HR4005           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4006           |                                  |        |        | HR4005 (Lo-16bits)             |
| HR4007           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4008           |                                  |        |        | HR4007 (Lo-16bits)             |
| HR4009           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4010           |                                  |        |        | HR4009 (Lo-16bits)             |
| HR4011           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4012           |                                  |        |        | HR4011 (Lo-16bits)             |
| HR4013           | DOC3:Pick-up setting Iset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4014           |                                  |        |        | HR4013 (Lo-16bits)             |
| HR4015           | DOC3:Pick-up setting Iset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4016           |                                              |        |        | HR4015 (Lo-16bits)           |
| HR4017           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4018           |                                              |        |        | HR4017 (Lo-16bits)           |
| HR4019           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4020           |                                              |        |        | HR4019 (Lo-16bits)           |
| HR4021           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4022           |                                              |        |        | HR4021 (Lo-16bits)           |
| HR4023           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4024           |                                              |        |        | HR4023 (Lo-16bits)           |
| HR4025           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4026           |                                              |        |        | HR4025 (Lo-16bits)           |
| HR4027           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4028           |                                              |        |        | HR4027 (Lo-16bits)           |
| HR4029           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4030           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4031           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4032           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4033           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4034           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4035           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4036           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4037           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4038           |                                              |        |        | HR4037 (Lo-16bits)           |
| HR4039           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4040           |                                              |        |        | HR4039 (Lo-16bits)           |
| HR4041           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4042           |                                              |        |        | HR4041 (Lo-16bits)           |
| HR4043           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4044           |                                              |        |        | HR4043 (Lo-16bits)           |
| HR4045           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4046           |                                              |        |        | HR4045 (Lo-16bits)           |
| HR4047           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4048           |                                              |        |        | HR4047 (Lo-16bits)           |
| HR4049           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4050           |                                              |        |        | HR4049 (Lo-16bits)           |
| HR4051           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4052           |                                              |        |        | HR4051 (Lo-16bits)           |
| HR4053           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4054           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4055           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4056           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4057           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4058           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4059           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4060           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4061           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4062           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4063           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4064           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4065           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4066           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4067           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4068           | DOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4069           | DOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4070           | DOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4071           | DOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4072           | DOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4073           | DOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4074           | DOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4075           | DOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4076           | DOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4077           | DOC3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4078           | DOC3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4079           | DOC3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4080           | DOC3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4081           | DOC3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4082           | DOC3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4083           | DOC3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4084           | DOC3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4085           | DOC3:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4086           |                                |        |        | HR4085 (Lo-16bits)                                          |
| HR4087           | DOC3:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4088           |                                |        |        | HR4087 (Lo-16bits)                                          |
| HR4089           | DOC3:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR4090           |                          |        |        | HR4089 (Lo-16bits)            |
| HR4091           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4092           |                          |        |        | HR4091 (Lo-16bits)            |
| HR4093           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4094           |                          |        |        | HR4093 (Lo-16bits)            |
| HR4095           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4096           |                          |        |        | HR4095 (Lo-16bits)            |
| HR4097           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4098           |                          |        |        | HR4097 (Lo-16bits)            |
| HR4099           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4100           |                          |        |        | HR4099 (Lo-16bits)            |
| HR4101           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4102           |                          |        |        | HR4101 (Lo-16bits)            |
| HR4103           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4104           |                          |        |        | HR4103 (Lo-16bits)            |
| HR4105           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4106           |                          |        |        | HR4105 (Lo-16bits)            |
| HR4107           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4108           |                          |        |        | HR4107 (Lo-16bits)            |
| HR4109           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4110           |                          |        |        | HR4109 (Lo-16bits)            |
| HR4111           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4112           |                          |        |        | HR4111 (Lo-16bits)            |
| HR4113           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4114           |                          |        |        | HR4113 (Lo-16bits)            |
| HR4115           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4116           |                          |        |        | HR4115 (Lo-16bits)            |
| HR4117           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4118           |                          |        |        | HR4117 (Lo-16bits)            |
| HR4119           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4120           |                                                    |        |        | HR4119 (Lo-16bits)          |
| HR4121           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4122           |                                                    |        |        | HR4121 (Lo-16bits)          |
| HR4123           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4124           |                                                    |        |        | HR4123 (Lo-16bits)          |
| HR4125           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4126           |                                                    |        |        | HR4125 (Lo-16bits)          |
| HR4127           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4128           |                                                    |        |        | HR4127 (Lo-16bits)          |
| HR4129           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4130           |                                                    |        |        | HR4129 (Lo-16bits)          |
| HR4131           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4132           |                                                    |        |        | HR4131 (Lo-16bits)          |
| HR4133           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4134           |                                                    |        |        | HR4133 (Lo-16bits)          |
| HR4135           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4136           |                                                    |        |        | HR4135 (Lo-16bits)          |
| HR4137           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4138           |                                                    |        |        | HR4137 (Lo-16bits)          |
| HR4139           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4140           |                                                    |        |        | HR4139 (Lo-16bits)          |
| HR4141           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4142           |                                                    |        |        | HR4141 (Lo-16bits)          |
| HR4143           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4144           |                                                    |        |        | HR4143 (Lo-16bits)          |
| HR4145           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4146           |                                                    |        |        | HR4145 (Lo-16bits)          |
| HR4147           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4148           |                                                    |        |        | HR4147 (Lo-16bits)          |
| HR4149           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4150           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4151           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4152           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4153           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4154           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4155           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4156           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4157           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4158           |                                                                         |        |        | HR4157 (Lo-16bits)           |
| HR4159           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4160           |                                                                         |        |        | HR4159 (Lo-16bits)           |
| HR4161           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4162           |                                                                         |        |        | HR4161 (Lo-16bits)           |
| HR4163           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4164           |                                                                         |        |        | HR4163 (Lo-16bits)           |
| HR4165           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4166           |                                                                         |        |        | HR4165 (Lo-16bits)           |
| HR4167           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4168           |                                                                         |        |        | HR4167 (Lo-16bits)           |
| HR4169           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4170           |                                                                         |        |        | HR4169 (Lo-16bits)           |
| HR4171           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4172           |                                                                         |        |        | HR4171 (Lo-16bits)           |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4173           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4174           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4175           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4176           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4177           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4178           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4179           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4180           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4181           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4182           |                                            |        |        | HR4181 (Lo-16bits)          |
| HR4183           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4184           |                                            |        |        | HR4183 (Lo-16bits)          |
| HR4185           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4186           |                                            |        |        | HR4185 (Lo-16bits)          |
| HR4187           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4188           |                                            |        |        | HR4187 (Lo-16bits)          |
| HR4189           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4190           |                                            |        |        | HR4189 (Lo-16bits)          |
| HR4191           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4192           |                                            |        |        | HR4191 (Lo-16bits)          |
| HR4193           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4194           |                                            |        |        | HR4193 (Lo-16bits)          |
| HR4195           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4196           |                                            |        |        | HR4195 (Lo-16bits)          |
| HR4197           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR4198           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4199           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4200           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4201           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4202           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4203           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4204           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4205           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4206           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4207           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4208           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4209           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4210           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4211           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4212           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4213           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4214           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR4215           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4216           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4217           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4218           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4219           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4220           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4221           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4222           |                                  |        |        | HR4221 (Lo-16bits)             |
| HR4223           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4224           |                                  |        |        | HR4223 (Lo-16bits)             |
| HR4225           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4226           |                                  |        |        | HR4225 (Lo-16bits)             |
| HR4227           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4228           |                                  |        |        | HR4227 (Lo-16bits)             |
| HR4229           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4230           |                                  |        |        | HR4229 (Lo-16bits)             |
| HR4231           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4232           |                                  |        |        | HR4231 (Lo-16bits)             |
| HR4233           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4234           |                                  |        |        | HR4233 (Lo-16bits)             |
| HR4235           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4236           |                                  |        |        | HR4235 (Lo-16bits)             |
| HR4237           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR4238           |                              |        |        | HR4237 (Lo-16bits)             |
| HR4239           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4240           |                              |        |        | HR4239 (Lo-16bits)             |
| HR4241           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4242           |                              |        |        | HR4241 (Lo-16bits)             |
| HR4243           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4244           |                              |        |        | HR4243 (Lo-16bits)             |
| HR4245           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4246           |                              |        |        | HR4245 (Lo-16bits)             |
| HR4247           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4248           |                              |        |        | HR4247 (Lo-16bits)             |
| HR4249           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4250           |                              |        |        | HR4249 (Lo-16bits)             |
| HR4251           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4252           |                              |        |        | HR4251 (Lo-16bits)             |
| HR4253           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4254           |                              |        |        | HR4253 (Lo-16bits)             |
| HR4255           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4256           |                              |        |        | HR4255 (Lo-16bits)             |
| HR4257           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4258           |                              |        |        | HR4257 (Lo-16bits)             |
| HR4259           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4260           |                              |        |        | HR4259 (Lo-16bits)             |
| HR4261           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4262           |                              |        |        | HR4261 (Lo-16bits)             |
| HR4263           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4264           |                              |        |        | HR4263 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4265           | DOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4266           |                                              |        |        | HR4265 (Lo-16bits)           |
| HR4267           | DOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4268           |                                              |        |        | HR4267 (Lo-16bits)           |
| HR4269           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4270           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4271           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4272           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4273           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4274           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4275           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4276           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4277           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4278           |                                              |        |        | HR4277 (Lo-16bits)           |
| HR4279           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4280           |                                              |        |        | HR4279 (Lo-16bits)           |
| HR4281           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4282           |                                              |        |        | HR4281 (Lo-16bits)           |
| HR4283           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4284           |                                              |        |        | HR4283 (Lo-16bits)           |
| HR4285           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4286           |                                              |        |        | HR4285 (Lo-16bits)           |
| HR4287           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4288           |                                              |        |        | HR4287 (Lo-16bits)           |
| HR4289           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4290           |                                              |        |        | HR4289 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR4291           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR4292           |                                              |        |        | HR4291 (Lo-16bits)                                          |
| HR4293           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4294           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4295           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4296           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4297           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4298           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4299           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4300           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4301           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4302           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4303           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4304           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4305           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4306           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4307           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4308           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4309           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4310           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4311           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4312           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4313           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4314           | DOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4315           | DOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4316           | DOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4317           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4318           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4319           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4320           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4321           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4322           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4323           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4324           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4325           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4326           |                               |        |        | HR4325 (Lo-16bits)                                          |
| HR4327           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4328           |                               |        |        | HR4327 (Lo-16bits)                                          |
| HR4329           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4330           |                               |        |        | HR4329 (Lo-16bits)                                          |
| HR4331           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4332           |                               |        |        | HR4331 (Lo-16bits)                                          |
| HR4333           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4334           |                               |        |        | HR4333 (Lo-16bits)                                          |
| HR4335           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4336           |                               |        |        | HR4335 (Lo-16bits)                                          |
| HR4337           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4338           |                               |        |        | HR4337 (Lo-16bits)                                          |



| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR4339           | DOC4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4340           |                          |        |        | HR4339 (Lo-16bits)            |
| HR4341           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4342           |                          |        |        | HR4341 (Lo-16bits)            |
| HR4343           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4344           |                          |        |        | HR4343 (Lo-16bits)            |
| HR4345           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4346           |                          |        |        | HR4345 (Lo-16bits)            |
| HR4347           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4348           |                          |        |        | HR4347 (Lo-16bits)            |
| HR4349           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4350           |                          |        |        | HR4349 (Lo-16bits)            |
| HR4351           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4352           |                          |        |        | HR4351 (Lo-16bits)            |
| HR4353           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4354           |                          |        |        | HR4353 (Lo-16bits)            |
| HR4355           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4356           |                          |        |        | HR4355 (Lo-16bits)            |
| HR4357           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4358           |                          |        |        | HR4357 (Lo-16bits)            |
| HR4359           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4360           |                          |        |        | HR4359 (Lo-16bits)            |
| HR4361           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4362           |                          |        |        | HR4361 (Lo-16bits)            |
| HR4363           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4364           |                          |        |        | HR4363 (Lo-16bits)            |
| HR4365           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4366           |                          |        |        | HR4365 (Lo-16bits)            |
| HR4367           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4368           |                          |        |        | HR4367 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4369           | DOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4370           |                                                    |        |        | HR4369 (Lo-16bits)          |
| HR4371           | DOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4372           |                                                    |        |        | HR4371 (Lo-16bits)          |
| HR4373           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4374           |                                                    |        |        | HR4373 (Lo-16bits)          |
| HR4375           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4376           |                                                    |        |        | HR4375 (Lo-16bits)          |
| HR4377           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4378           |                                                    |        |        | HR4377 (Lo-16bits)          |
| HR4379           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4380           |                                                    |        |        | HR4379 (Lo-16bits)          |
| HR4381           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4382           |                                                    |        |        | HR4381 (Lo-16bits)          |
| HR4383           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4384           |                                                    |        |        | HR4383 (Lo-16bits)          |
| HR4385           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4386           |                                                    |        |        | HR4385 (Lo-16bits)          |
| HR4387           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4388           |                                                    |        |        | HR4387 (Lo-16bits)          |
| HR4389           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4390           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4391           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4392           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4393           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4394           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4395           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4396           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4397           | DOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4398           |                                                    |        |        | HR4397 (Lo-16bits)           |
| HR4399           | DOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4400           |                                                    |        |        | HR4399 (Lo-16bits)           |
| HR4401           | DOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4402           |                                                    |        |        | HR4401 (Lo-16bits)           |
| HR4403           | DOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4404           |                                                    |        |        | HR4403 (Lo-16bits)           |
| HR4405           | DOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4406           |                                                    |        |        | HR4405 (Lo-16bits)           |
| HR4407           | DOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4408           |                                                    |        |        | HR4407 (Lo-16bits)           |
| HR4409           | DOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4410           |                                                    |        |        | HR4409 (Lo-16bits)           |
| HR4411           | DOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4412           |                                                    |        |        | HR4411 (Lo-16bits)           |
| HR4413           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4414           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4415           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4416           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4417           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4418           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4419           | DOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4420           | DOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4421           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4422           |                                            |        |        | HR4421 (Lo-16bits)          |
| HR4423           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4424           |                                            |        |        | HR4423 (Lo-16bits)          |
| HR4425           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4426           |                                            |        |        | HR4425 (Lo-16bits)          |
| HR4427           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4428           |                                            |        |        | HR4427 (Lo-16bits)          |
| HR4429           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4430           |                                            |        |        | HR4429 (Lo-16bits)          |
| HR4431           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4432           |                                            |        |        | HR4431 (Lo-16bits)          |
| HR4433           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4434           |                                            |        |        | HR4433 (Lo-16bits)          |
| HR4435           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4436           |                                            |        |        | HR4435 (Lo-16bits)          |
| HR4437           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4438           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4439           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4440           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4441           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4442           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4443           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4444           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR4445           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4446           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4447           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4448           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4449           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4450           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4451           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4452           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4453           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4454           |                                                    |        |        | HR4453 (Lo-16bits)              |
| HR4455           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4456           |                                                    |        |        | HR4455 (Lo-16bits)              |
| HR4457           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4458           |                                                    |        |        | HR4457 (Lo-16bits)              |
| HR4459           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4460           |                                                    |        |        | HR4459 (Lo-16bits)              |
| HR4461           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4462           |                                                    |        |        | HR4461 (Lo-16bits)              |
| HR4463           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4464           |                                                    |        |        | HR4463 (Lo-16bits)              |
| HR4465           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4466           |                                              |        |        | HR4465 (Lo-16bits)              |
| HR4467           | NEF1:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4468           |                                              |        |        | HR4467 (Lo-16bits)              |
| HR4469           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4470           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4471           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4472           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4473           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4474           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4475           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4476           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4477           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4478           |                                              |        |        | HR4477 (Lo-16bits)              |
| HR4479           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4480           |                                              |        |        | HR4479 (Lo-16bits)              |
| HR4481           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4482           |                                              |        |        | HR4481 (Lo-16bits)              |
| HR4483           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4484           |                                              |        |        | HR4483 (Lo-16bits)              |
| HR4485           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4486           |                                              |        |        | HR4485 (Lo-16bits)              |
| HR4487           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4488           |                                              |        |        | HR4487 (Lo-16bits)              |
| HR4489           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4490           |                                              |        |        | HR4489 (Lo-16bits)              |
| HR4491           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4492           |                                |        |        | HR4491 (Lo-16bits)                                          |
| HR4493           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4494           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4495           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4496           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4497           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4498           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4499           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4500           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4501           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4502           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4503           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4504           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4505           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4506           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4507           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4508           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4509           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4510           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4511           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4512           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4513           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4514           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4515           | NEF1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4516           | NEF1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4517           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4518           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4519           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4520           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4521           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4522           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4523           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4524           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4525           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4526           |                               |        |        | HR4525 (Lo-16bits)                                          |
| HR4527           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4528           |                               |        |        | HR4527 (Lo-16bits)                                          |
| HR4529           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4530           |                               |        |        | HR4529 (Lo-16bits)                                          |
| HR4531           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4532           |                               |        |        | HR4531 (Lo-16bits)                                          |
| HR4533           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4534           |                               |        |        | HR4533 (Lo-16bits)                                          |
| HR4535           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4536           |                               |        |        | HR4535 (Lo-16bits)                                          |
| HR4537           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4538           |                               |        |        | HR4537 (Lo-16bits)                                          |
| HR4539           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |



| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4540           |                    |        |        | HR4539 (Lo-16bits)          |
| HR4541           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4542           |                    |        |        | HR4541 (Lo-16bits)          |
| HR4543           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4544           |                    |        |        | HR4543 (Lo-16bits)          |
| HR4545           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4546           |                    |        |        | HR4545 (Lo-16bits)          |
| HR4547           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4548           |                    |        |        | HR4547 (Lo-16bits)          |
| HR4549           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4550           |                    |        |        | HR4549 (Lo-16bits)          |
| HR4551           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4552           |                    |        |        | HR4551 (Lo-16bits)          |
| HR4553           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4554           |                    |        |        | HR4553 (Lo-16bits)          |
| HR4555           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4556           |                    |        |        | HR4555 (Lo-16bits)          |
| HR4557           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4558           |                    |        |        | HR4557 (Lo-16bits)          |
| HR4559           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4560           |                    |        |        | HR4559 (Lo-16bits)          |
| HR4561           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4562           |                    |        |        | HR4561 (Lo-16bits)          |
| HR4563           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4564           |                    |        |        | HR4563 (Lo-16bits)          |
| HR4565           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4566           |                    |        |        | HR4565 (Lo-16bits)          |
| HR4567           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4568           |                    |        |        | HR4567 (Lo-16bits)          |
| HR4569           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4570           |                                                    |        |        | HR4569 (Lo-16bits)          |
| HR4571           | NEF1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4572           |                                                    |        |        | HR4571 (Lo-16bits)          |
| HR4573           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4574           |                                                    |        |        | HR4573 (Lo-16bits)          |
| HR4575           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4576           |                                                    |        |        | HR4575 (Lo-16bits)          |
| HR4577           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4578           |                                                    |        |        | HR4577 (Lo-16bits)          |
| HR4579           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4580           |                                                    |        |        | HR4579 (Lo-16bits)          |
| HR4581           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4582           |                                                    |        |        | HR4581 (Lo-16bits)          |
| HR4583           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4584           |                                                    |        |        | HR4583 (Lo-16bits)          |
| HR4585           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4586           |                                                    |        |        | HR4585 (Lo-16bits)          |
| HR4587           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4588           |                                                    |        |        | HR4587 (Lo-16bits)          |
| HR4589           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4590           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4591           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4592           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4593           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4594           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4595           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4596           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4597           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4598           |                                                    |        |        | HR4597 (Lo-16bits)           |
| HR4599           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4600           |                                                    |        |        | HR4599 (Lo-16bits)           |
| HR4601           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4602           |                                                    |        |        | HR4601 (Lo-16bits)           |
| HR4603           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4604           |                                                    |        |        | HR4603 (Lo-16bits)           |
| HR4605           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4606           |                                                    |        |        | HR4605 (Lo-16bits)           |
| HR4607           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4608           |                                                    |        |        | HR4607 (Lo-16bits)           |
| HR4609           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4610           |                                                    |        |        | HR4609 (Lo-16bits)           |
| HR4611           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4612           |                                                    |        |        | HR4611 (Lo-16bits)           |
| HR4613           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4614           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4615           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4616           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4617           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4618           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4619           | NEF1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4620           | NEF1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4621           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4622           |                                            |        |        | HR4621 (Lo-16bits)          |
| HR4623           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4624           |                                            |        |        | HR4623 (Lo-16bits)          |
| HR4625           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4626           |                                            |        |        | HR4625 (Lo-16bits)          |
| HR4627           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4628           |                                            |        |        | HR4627 (Lo-16bits)          |
| HR4629           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4630           |                                            |        |        | HR4629 (Lo-16bits)          |
| HR4631           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4632           |                                            |        |        | HR4631 (Lo-16bits)          |
| HR4633           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4634           |                                            |        |        | HR4633 (Lo-16bits)          |
| HR4635           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4636           |                                            |        |        | HR4635 (Lo-16bits)          |
| HR4637           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4638           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4639           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4640           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4641           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4642           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4643           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4644           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR4645           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4646           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4647           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4648           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4649           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4650           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4651           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4652           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4653           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4654           |                                                    |        |        | HR4653 (Lo-16bits)              |
| HR4655           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4656           |                                                    |        |        | HR4655 (Lo-16bits)              |
| HR4657           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4658           |                                                    |        |        | HR4657 (Lo-16bits)              |
| HR4659           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4660           |                                                    |        |        | HR4659 (Lo-16bits)              |
| HR4661           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4662           |                                                    |        |        | HR4661 (Lo-16bits)              |
| HR4663           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4664           |                                                    |        |        | HR4663 (Lo-16bits)              |
| HR4665           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4666           |                                              |        |        | HR4665 (Lo-16bits)              |
| HR4667           | NEF2:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4668           |                                              |        |        | HR4667 (Lo-16bits)              |
| HR4669           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4670           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4671           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4672           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4673           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4674           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4675           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4676           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4677           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4678           |                                              |        |        | HR4677 (Lo-16bits)              |
| HR4679           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4680           |                                              |        |        | HR4679 (Lo-16bits)              |
| HR4681           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4682           |                                              |        |        | HR4681 (Lo-16bits)              |
| HR4683           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4684           |                                              |        |        | HR4683 (Lo-16bits)              |
| HR4685           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4686           |                                              |        |        | HR4685 (Lo-16bits)              |
| HR4687           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4688           |                                              |        |        | HR4687 (Lo-16bits)              |
| HR4689           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4690           |                                              |        |        | HR4689 (Lo-16bits)              |
| HR4691           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4692           |                                |        |        | HR4691 (Lo-16bits)                                          |
| HR4693           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4694           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4695           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4696           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4697           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4698           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4699           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4700           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4701           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4702           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4703           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4704           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4705           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4706           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4707           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4708           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4709           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4710           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4711           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4712           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4713           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4714           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4715           | NEF2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4716           | NEF2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4717           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4718           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4719           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4720           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4721           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4722           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4723           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4724           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4725           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4726           |                               |        |        | HR4725 (Lo-16bits)                                          |
| HR4727           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4728           |                               |        |        | HR4727 (Lo-16bits)                                          |
| HR4729           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4730           |                               |        |        | HR4729 (Lo-16bits)                                          |
| HR4731           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4732           |                               |        |        | HR4731 (Lo-16bits)                                          |
| HR4733           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4734           |                               |        |        | HR4733 (Lo-16bits)                                          |
| HR4735           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4736           |                               |        |        | HR4735 (Lo-16bits)                                          |
| HR4737           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4738           |                               |        |        | HR4737 (Lo-16bits)                                          |
| HR4739           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |



| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4740           |                    |        |        | HR4739 (Lo-16bits)          |
| HR4741           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4742           |                    |        |        | HR4741 (Lo-16bits)          |
| HR4743           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4744           |                    |        |        | HR4743 (Lo-16bits)          |
| HR4745           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4746           |                    |        |        | HR4745 (Lo-16bits)          |
| HR4747           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4748           |                    |        |        | HR4747 (Lo-16bits)          |
| HR4749           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4750           |                    |        |        | HR4749 (Lo-16bits)          |
| HR4751           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4752           |                    |        |        | HR4751 (Lo-16bits)          |
| HR4753           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4754           |                    |        |        | HR4753 (Lo-16bits)          |
| HR4755           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4756           |                    |        |        | HR4755 (Lo-16bits)          |
| HR4757           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4758           |                    |        |        | HR4757 (Lo-16bits)          |
| HR4759           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4760           |                    |        |        | HR4759 (Lo-16bits)          |
| HR4761           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4762           |                    |        |        | HR4761 (Lo-16bits)          |
| HR4763           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4764           |                    |        |        | HR4763 (Lo-16bits)          |
| HR4765           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4766           |                    |        |        | HR4765 (Lo-16bits)          |
| HR4767           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4768           |                    |        |        | HR4767 (Lo-16bits)          |
| HR4769           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4770           |                                                    |        |        | HR4769 (Lo-16bits)          |
| HR4771           | NEF2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4772           |                                                    |        |        | HR4771 (Lo-16bits)          |
| HR4773           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4774           |                                                    |        |        | HR4773 (Lo-16bits)          |
| HR4775           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4776           |                                                    |        |        | HR4775 (Lo-16bits)          |
| HR4777           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4778           |                                                    |        |        | HR4777 (Lo-16bits)          |
| HR4779           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4780           |                                                    |        |        | HR4779 (Lo-16bits)          |
| HR4781           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4782           |                                                    |        |        | HR4781 (Lo-16bits)          |
| HR4783           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4784           |                                                    |        |        | HR4783 (Lo-16bits)          |
| HR4785           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4786           |                                                    |        |        | HR4785 (Lo-16bits)          |
| HR4787           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4788           |                                                    |        |        | HR4787 (Lo-16bits)          |
| HR4789           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4790           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4791           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4792           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4793           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4794           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4795           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4796           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4797           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4798           |                                                    |        |        | HR4797 (Lo-16bits)           |
| HR4799           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4800           |                                                    |        |        | HR4799 (Lo-16bits)           |
| HR4801           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4802           |                                                    |        |        | HR4801 (Lo-16bits)           |
| HR4803           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4804           |                                                    |        |        | HR4803 (Lo-16bits)           |
| HR4805           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4806           |                                                    |        |        | HR4805 (Lo-16bits)           |
| HR4807           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4808           |                                                    |        |        | HR4807 (Lo-16bits)           |
| HR4809           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4810           |                                                    |        |        | HR4809 (Lo-16bits)           |
| HR4811           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4812           |                                                    |        |        | HR4811 (Lo-16bits)           |
| HR4813           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4814           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4815           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4816           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4817           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4818           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4819           | NEF2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4820           | NEF2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4821           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4822           |                                            |        |        | HR4821 (Lo-16bits)          |
| HR4823           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4824           |                                            |        |        | HR4823 (Lo-16bits)          |
| HR4825           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4826           |                                            |        |        | HR4825 (Lo-16bits)          |
| HR4827           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4828           |                                            |        |        | HR4827 (Lo-16bits)          |
| HR4829           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4830           |                                            |        |        | HR4829 (Lo-16bits)          |
| HR4831           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4832           |                                            |        |        | HR4831 (Lo-16bits)          |
| HR4833           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4834           |                                            |        |        | HR4833 (Lo-16bits)          |
| HR4835           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4836           |                                            |        |        | HR4835 (Lo-16bits)          |
| HR4837           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4838           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4839           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4840           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4841           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4842           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4843           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4844           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR4845           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4846           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4847           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4848           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4849           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4850           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4851           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4852           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4853           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4854           |                                                    |        |        | HR4853 (Lo-16bits)              |
| HR4855           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4856           |                                                    |        |        | HR4855 (Lo-16bits)              |
| HR4857           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4858           |                                                    |        |        | HR4857 (Lo-16bits)              |
| HR4859           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4860           |                                                    |        |        | HR4859 (Lo-16bits)              |
| HR4861           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4862           |                                                    |        |        | HR4861 (Lo-16bits)              |
| HR4863           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4864           |                                                    |        |        | HR4863 (Lo-16bits)              |
| HR4865           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4866           |                                              |        |        | HR4865 (Lo-16bits)              |
| HR4867           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4868           |                                              |        |        | HR4867 (Lo-16bits)              |
| HR4869           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4870           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4871           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4872           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4873           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4874           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4875           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4876           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4877           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4878           |                                              |        |        | HR4877 (Lo-16bits)              |
| HR4879           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4880           |                                              |        |        | HR4879 (Lo-16bits)              |
| HR4881           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4882           |                                              |        |        | HR4881 (Lo-16bits)              |
| HR4883           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4884           |                                              |        |        | HR4883 (Lo-16bits)              |
| HR4885           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4886           |                                              |        |        | HR4885 (Lo-16bits)              |
| HR4887           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4888           |                                              |        |        | HR4887 (Lo-16bits)              |
| HR4889           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4890           |                                              |        |        | HR4889 (Lo-16bits)              |
| HR4891           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4892           |                                |        |        | HR4891 (Lo-16bits)                                          |
| HR4893           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4894           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4895           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4896           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4897           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4898           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4899           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4900           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4901           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4902           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4903           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4904           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4905           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4906           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4907           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4908           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4909           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4910           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4911           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4912           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4913           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4914           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4915           | NEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4916           | NEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4917           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4918           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4919           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4920           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4921           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4922           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4923           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4924           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4925           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4926           |                               |        |        | HR4925 (Lo-16bits)                                          |
| HR4927           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4928           |                               |        |        | HR4927 (Lo-16bits)                                          |
| HR4929           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4930           |                               |        |        | HR4929 (Lo-16bits)                                          |
| HR4931           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4932           |                               |        |        | HR4931 (Lo-16bits)                                          |
| HR4933           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4934           |                               |        |        | HR4933 (Lo-16bits)                                          |
| HR4935           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4936           |                               |        |        | HR4935 (Lo-16bits)                                          |
| HR4937           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4938           |                               |        |        | HR4937 (Lo-16bits)                                          |
| HR4939           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |



| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4940           |                    |        |        | HR4939 (Lo-16bits)          |
| HR4941           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4942           |                    |        |        | HR4941 (Lo-16bits)          |
| HR4943           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4944           |                    |        |        | HR4943 (Lo-16bits)          |
| HR4945           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4946           |                    |        |        | HR4945 (Lo-16bits)          |
| HR4947           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4948           |                    |        |        | HR4947 (Lo-16bits)          |
| HR4949           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4950           |                    |        |        | HR4949 (Lo-16bits)          |
| HR4951           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4952           |                    |        |        | HR4951 (Lo-16bits)          |
| HR4953           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4954           |                    |        |        | HR4953 (Lo-16bits)          |
| HR4955           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4956           |                    |        |        | HR4955 (Lo-16bits)          |
| HR4957           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4958           |                    |        |        | HR4957 (Lo-16bits)          |
| HR4959           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4960           |                    |        |        | HR4959 (Lo-16bits)          |
| HR4961           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4962           |                    |        |        | HR4961 (Lo-16bits)          |
| HR4963           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4964           |                    |        |        | HR4963 (Lo-16bits)          |
| HR4965           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4966           |                    |        |        | HR4965 (Lo-16bits)          |
| HR4967           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4968           |                    |        |        | HR4967 (Lo-16bits)          |
| HR4969           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4970           |                                                    |        |        | HR4969 (Lo-16bits)          |
| HR4971           | NEF3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4972           |                                                    |        |        | HR4971 (Lo-16bits)          |
| HR4973           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4974           |                                                    |        |        | HR4973 (Lo-16bits)          |
| HR4975           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4976           |                                                    |        |        | HR4975 (Lo-16bits)          |
| HR4977           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4978           |                                                    |        |        | HR4977 (Lo-16bits)          |
| HR4979           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4980           |                                                    |        |        | HR4979 (Lo-16bits)          |
| HR4981           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4982           |                                                    |        |        | HR4981 (Lo-16bits)          |
| HR4983           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4984           |                                                    |        |        | HR4983 (Lo-16bits)          |
| HR4985           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4986           |                                                    |        |        | HR4985 (Lo-16bits)          |
| HR4987           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4988           |                                                    |        |        | HR4987 (Lo-16bits)          |
| HR4989           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4990           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4991           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4992           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4993           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4994           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4995           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4996           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4997           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4998           |                                                    |        |        | HR4997 (Lo-16bits)           |
| HR4999           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5000           |                                                    |        |        | HR4999 (Lo-16bits)           |
| HR5001           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5002           |                                                    |        |        | HR5001 (Lo-16bits)           |
| HR5003           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5004           |                                                    |        |        | HR5003 (Lo-16bits)           |
| HR5005           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5006           |                                                    |        |        | HR5005 (Lo-16bits)           |
| HR5007           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5008           |                                                    |        |        | HR5007 (Lo-16bits)           |
| HR5009           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5010           |                                                    |        |        | HR5009 (Lo-16bits)           |
| HR5011           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5012           |                                                    |        |        | HR5011 (Lo-16bits)           |
| HR5013           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5014           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5015           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5016           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5017           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5018           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR5019           | NEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5020           | NEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5021           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5022           |                                            |        |        | HR5021 (Lo-16bits)          |
| HR5023           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5024           |                                            |        |        | HR5023 (Lo-16bits)          |
| HR5025           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5026           |                                            |        |        | HR5025 (Lo-16bits)          |
| HR5027           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5028           |                                            |        |        | HR5027 (Lo-16bits)          |
| HR5029           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5030           |                                            |        |        | HR5029 (Lo-16bits)          |
| HR5031           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5032           |                                            |        |        | HR5031 (Lo-16bits)          |
| HR5033           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5034           |                                            |        |        | HR5033 (Lo-16bits)          |
| HR5035           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5036           |                                            |        |        | HR5035 (Lo-16bits)          |
| HR5037           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5038           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5039           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5040           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5041           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5042           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5043           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR5044           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR5045           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5046           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5047           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5048           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5049           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5050           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5051           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5052           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5053           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5054           |                                                    |        |        | HR5053 (Lo-16bits)              |
| HR5055           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5056           |                                                    |        |        | HR5055 (Lo-16bits)              |
| HR5057           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5058           |                                                    |        |        | HR5057 (Lo-16bits)              |
| HR5059           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5060           |                                                    |        |        | HR5059 (Lo-16bits)              |
| HR5061           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5062           |                                                    |        |        | HR5061 (Lo-16bits)              |
| HR5063           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5064           |                                                    |        |        | HR5063 (Lo-16bits)              |
| HR5065           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR5066           |                                              |        |        | HR5065 (Lo-16bits)              |
| HR5067           | NEF4:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5068           |                                              |        |        | HR5067 (Lo-16bits)              |
| HR5069           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5070           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5071           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5072           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5073           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5074           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5075           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5076           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5077           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5078           |                                              |        |        | HR5077 (Lo-16bits)              |
| HR5079           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5080           |                                              |        |        | HR5079 (Lo-16bits)              |
| HR5081           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5082           |                                              |        |        | HR5081 (Lo-16bits)              |
| HR5083           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5084           |                                              |        |        | HR5083 (Lo-16bits)              |
| HR5085           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5086           |                                              |        |        | HR5085 (Lo-16bits)              |
| HR5087           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5088           |                                              |        |        | HR5087 (Lo-16bits)              |
| HR5089           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5090           |                                              |        |        | HR5089 (Lo-16bits)              |
| HR5091           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5092           |                                |        |        | HR5091 (Lo-16bits)                                          |
| HR5093           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5094           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5095           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5096           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5097           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5098           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5099           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5100           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5101           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5102           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5103           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5104           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5105           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5106           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5107           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5108           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5109           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5110           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5111           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5112           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5113           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5114           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR5115           | NEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5116           | NEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5117           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5118           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5119           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5120           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5121           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5122           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5123           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5124           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5125           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5126           |                               |        |        | HR5125 (Lo-16bits)                                          |
| HR5127           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5128           |                               |        |        | HR5127 (Lo-16bits)                                          |
| HR5129           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5130           |                               |        |        | HR5129 (Lo-16bits)                                          |
| HR5131           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5132           |                               |        |        | HR5131 (Lo-16bits)                                          |
| HR5133           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5134           |                               |        |        | HR5133 (Lo-16bits)                                          |
| HR5135           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5136           |                               |        |        | HR5135 (Lo-16bits)                                          |
| HR5137           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5138           |                               |        |        | HR5137 (Lo-16bits)                                          |
| HR5139           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |



| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5140           |                    |        |        | HR5139 (Lo-16bits)          |
| HR5141           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5142           |                    |        |        | HR5141 (Lo-16bits)          |
| HR5143           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5144           |                    |        |        | HR5143 (Lo-16bits)          |
| HR5145           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5146           |                    |        |        | HR5145 (Lo-16bits)          |
| HR5147           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5148           |                    |        |        | HR5147 (Lo-16bits)          |
| HR5149           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5150           |                    |        |        | HR5149 (Lo-16bits)          |
| HR5151           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5152           |                    |        |        | HR5151 (Lo-16bits)          |
| HR5153           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5154           |                    |        |        | HR5153 (Lo-16bits)          |
| HR5155           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5156           |                    |        |        | HR5155 (Lo-16bits)          |
| HR5157           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5158           |                    |        |        | HR5157 (Lo-16bits)          |
| HR5159           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5160           |                    |        |        | HR5159 (Lo-16bits)          |
| HR5161           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5162           |                    |        |        | HR5161 (Lo-16bits)          |
| HR5163           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5164           |                    |        |        | HR5163 (Lo-16bits)          |
| HR5165           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5166           |                    |        |        | HR5165 (Lo-16bits)          |
| HR5167           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5168           |                    |        |        | HR5167 (Lo-16bits)          |
| HR5169           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5170           |                                                    |        |        | HR5169 (Lo-16bits)          |
| HR5171           | NEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5172           |                                                    |        |        | HR5171 (Lo-16bits)          |
| HR5173           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5174           |                                                    |        |        | HR5173 (Lo-16bits)          |
| HR5175           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5176           |                                                    |        |        | HR5175 (Lo-16bits)          |
| HR5177           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5178           |                                                    |        |        | HR5177 (Lo-16bits)          |
| HR5179           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5180           |                                                    |        |        | HR5179 (Lo-16bits)          |
| HR5181           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5182           |                                                    |        |        | HR5181 (Lo-16bits)          |
| HR5183           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5184           |                                                    |        |        | HR5183 (Lo-16bits)          |
| HR5185           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5186           |                                                    |        |        | HR5185 (Lo-16bits)          |
| HR5187           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5188           |                                                    |        |        | HR5187 (Lo-16bits)          |
| HR5189           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5190           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5191           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5192           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5193           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5194           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5195           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR5196           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR5197           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5198           |                                                    |        |        | HR5197 (Lo-16bits)           |
| HR5199           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5200           |                                                    |        |        | HR5199 (Lo-16bits)           |
| HR5201           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5202           |                                                    |        |        | HR5201 (Lo-16bits)           |
| HR5203           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5204           |                                                    |        |        | HR5203 (Lo-16bits)           |
| HR5205           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5206           |                                                    |        |        | HR5205 (Lo-16bits)           |
| HR5207           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5208           |                                                    |        |        | HR5207 (Lo-16bits)           |
| HR5209           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5210           |                                                    |        |        | HR5209 (Lo-16bits)           |
| HR5211           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5212           |                                                    |        |        | HR5211 (Lo-16bits)           |
| HR5213           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5214           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5215           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5216           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5217           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5218           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR5219           | NEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5220           | NEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5221           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5222           |                                            |        |        | HR5221 (Lo-16bits)          |
| HR5223           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5224           |                                            |        |        | HR5223 (Lo-16bits)          |
| HR5225           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5226           |                                            |        |        | HR5225 (Lo-16bits)          |
| HR5227           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5228           |                                            |        |        | HR5227 (Lo-16bits)          |
| HR5229           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5230           |                                            |        |        | HR5229 (Lo-16bits)          |
| HR5231           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5232           |                                            |        |        | HR5231 (Lo-16bits)          |
| HR5233           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5234           |                                            |        |        | HR5233 (Lo-16bits)          |
| HR5235           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5236           |                                            |        |        | HR5235 (Lo-16bits)          |
| HR5237           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5238           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5239           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5240           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5241           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5242           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5243           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR5244           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5245           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5246           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5247           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5248           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5249           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5250           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5251           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5252           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5253           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5254           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5255           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5256           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5257           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5258           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5259           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5260           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5261           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5262           |                                                    |        |        | HR5261 (Lo-16bits)                                          |
| HR5263           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5264           |                                                    |        |        | HR5263 (Lo-16bits)                                          |

| Holding Register | Parameter                      | Access | Length |                                |
|------------------|--------------------------------|--------|--------|--------------------------------|
| HR5265           | DEF1:Pick-up setting<br>I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5266           |                                |        |        | HR5265 (Lo-16bits)             |
| HR5267           | DEF1:Pick-up setting<br>I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5268           |                                |        |        | HR5267 (Lo-16bits)             |
| HR5269           | DEF1:Pick-up setting<br>I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5270           |                                |        |        | HR5269 (Lo-16bits)             |
| HR5271           | DEF1:Pick-up setting<br>I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5272           |                                |        |        | HR5271 (Lo-16bits)             |
| HR5273           | DEF1:Pick-up setting<br>I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5274           |                                |        |        | HR5273 (Lo-16bits)             |
| HR5275           | DEF1:Pick-up setting<br>I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5276           |                                |        |        | HR5275 (Lo-16bits)             |
| HR5277           | DEF1:Pick-up setting<br>U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5278           |                                |        |        | HR5277 (Lo-16bits)             |
| HR5279           | DEF1:Pick-up setting<br>U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5280           |                                |        |        | HR5279 (Lo-16bits)             |
| HR5281           | DEF1:Pick-up setting<br>U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5282           |                                |        |        | HR5281 (Lo-16bits)             |
| HR5283           | DEF1:Pick-up setting<br>U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5284           |                                |        |        | HR5283 (Lo-16bits)             |
| HR5285           | DEF1:Pick-up setting<br>U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5286           |                                |        |        | HR5285 (Lo-16bits)             |
| HR5287           | DEF1:Pick-up setting<br>U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5288           |                                |        |        | HR5287 (Lo-16bits)             |

| Holding Register | Parameter                                   | Access | Length |                                |
|------------------|---------------------------------------------|--------|--------|--------------------------------|
| HR5289           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5290           |                                             |        |        | HR5289 (Lo-16bits)             |
| HR5291           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5292           |                                             |        |        | HR5291 (Lo-16bits)             |
| HR5293           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5294           |                                             |        |        | HR5293 (Lo-16bits)             |
| HR5295           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5296           |                                             |        |        | HR5295 (Lo-16bits)             |
| HR5297           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5298           |                                             |        |        | HR5297 (Lo-16bits)             |
| HR5299           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5300           |                                             |        |        | HR5299 (Lo-16bits)             |
| HR5301           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5302           |                                             |        |        | HR5301 (Lo-16bits)             |
| HR5303           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5304           |                                             |        |        | HR5303 (Lo-16bits)             |
| HR5305           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5306           |                                             |        |        | HR5305 (Lo-16bits)             |
| HR5307           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5308           |                                             |        |        | HR5307 (Lo-16bits)             |
| HR5309           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5310           |                                             |        |        | HR5309 (Lo-16bits)             |
| HR5311           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5312           |                                             |        |        | HR5311 (Lo-16bits)             |

| Holding Register | Parameter                                                  | Access | Length |                              |
|------------------|------------------------------------------------------------|--------|--------|------------------------------|
| HR5313           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5314           |                                                            |        |        | HR5313 (Lo-16bits)           |
| HR5315           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5316           |                                                            |        |        | HR5315 (Lo-16bits)           |
| HR5317           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5318           |                                                            |        |        | HR5317 (Lo-16bits)           |
| HR5319           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5320           |                                                            |        |        | HR5319 (Lo-16bits)           |
| HR5321           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5322           |                                                            |        |        | HR5321 (Lo-16bits)           |
| HR5323           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5324           |                                                            |        |        | HR5323 (Lo-16bits)           |
| HR5325           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5326           |                                                            |        |        | HR5325 (Lo-16bits)           |
| HR5327           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5328           |                                                            |        |        | HR5327 (Lo-16bits)           |
| HR5329           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5330           |                                                            |        |        | HR5329 (Lo-16bits)           |
| HR5331           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5332           |                                                            |        |        | HR5331 (Lo-16bits)           |
| HR5333           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5334           |                                                            |        |        | HR5333 (Lo-16bits)           |



| Holding Register | Parameter                                                        | Access | Length |                              |
|------------------|------------------------------------------------------------------|--------|--------|------------------------------|
| HR5335           | DEF1:Unearthed /<br>Compensated border angle<br>(0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5336           |                                                                  |        |        | HR5335 (Lo-16bits)           |
| HR5337           | DEF1:Unearthed /<br>Compensated border angle<br>(0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5338           |                                                                  |        |        | HR5337 (Lo-16bits)           |
| HR5339           | DEF1:Unearthed /<br>Compensated border angle<br>(0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5340           |                                                                  |        |        | HR5339 (Lo-16bits)           |
| HR5341           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5342           |                                                                  |        |        | HR5341 (Lo-16bits)           |
| HR5343           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5344           |                                                                  |        |        | HR5343 (Lo-16bits)           |
| HR5345           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5346           |                                                                  |        |        | HR5345 (Lo-16bits)           |
| HR5347           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5348           |                                                                  |        |        | HR5347 (Lo-16bits)           |
| HR5349           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5350           |                                                                  |        |        | HR5349 (Lo-16bits)           |
| HR5351           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5352           |                                                                  |        |        | HR5351 (Lo-16bits)           |
| HR5353           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5354           |                                                                  |        |        | HR5353 (Lo-16bits)           |
| HR5355           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5356           |                                                                  |        |        | HR5355 (Lo-16bits)           |
| HR5357           | DEF1:Multi-criteria<br>detection                                 | R(W)   | 1      | 0=Not Used;1=Is Used         |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5358           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5359           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5360           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5361           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5362           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5363           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5364           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5365           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5366           |                                               |        |        | HR5365 (Lo-16bits)             |
| HR5367           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5368           |                                               |        |        | HR5367 (Lo-16bits)             |
| HR5369           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5370           |                                               |        |        | HR5369 (Lo-16bits)             |
| HR5371           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5372           |                                               |        |        | HR5371 (Lo-16bits)             |
| HR5373           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5374           |                                               |        |        | HR5373 (Lo-16bits)             |
| HR5375           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5376           |                                               |        |        | HR5375 (Lo-16bits)             |
| HR5377           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5378           |                                               |        |        | HR5377 (Lo-16bits)             |
| HR5379           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5380           |                                               |        |        | HR5379 (Lo-16bits)             |
| HR5381           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5382           |                                               |        |        | HR5381 (Lo-16bits)             |
| HR5383           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5384           |                                               |        |        | HR5383 (Lo-16bits)             |
| HR5385           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5386           |                                               |        |        | HR5385 (Lo-16bits)             |
| HR5387           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5388           |                                               |        |        | HR5387 (Lo-16bits)             |
| HR5389           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5390           |                                               |        |        | HR5389 (Lo-16bits)             |
| HR5391           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5392           |                                               |        |        | HR5391 (Lo-16bits)             |
| HR5393           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5394           |                                               |        |        | HR5393 (Lo-16bits)             |
| HR5395           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5396           |                                               |        |        | HR5395 (Lo-16bits)             |
| HR5397           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5398           |                                               |        |        | HR5397 (Lo-16bits)             |
| HR5399           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5400           |                                               |        |        | HR5399 (Lo-16bits)             |
| HR5401           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5402           |                                               |        |        | HR5401 (Lo-16bits)             |
| HR5403           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5404           |                                               |        |        | HR5403 (Lo-16bits)             |
| HR5405           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5406           |                                               |        |        | HR5405 (Lo-16bits)             |
| HR5407           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5408           |                                              |        |        | HR5407 (Lo-16bits)             |
| HR5409           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5410           |                                              |        |        | HR5409 (Lo-16bits)             |
| HR5411           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5412           |                                              |        |        | HR5411 (Lo-16bits)             |
| HR5413           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5414           |                                              |        |        | HR5413 (Lo-16bits)             |
| HR5415           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5416           |                                              |        |        | HR5415 (Lo-16bits)             |
| HR5417           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5418           |                                              |        |        | HR5417 (Lo-16bits)             |
| HR5419           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5420           |                                              |        |        | HR5419 (Lo-16bits)             |
| HR5421           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5422           |                                              |        |        | HR5421 (Lo-16bits)             |
| HR5423           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5424           |                                              |        |        | HR5423 (Lo-16bits)             |
| HR5425           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5426           |                                              |        |        | HR5425 (Lo-16bits)             |
| HR5427           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5428           |                                              |        |        | HR5427 (Lo-16bits)             |
| HR5429           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5430           |                                              |        |        | HR5429 (Lo-16bits)             |
| HR5431           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5432           |                                              |        |        | HR5431 (Lo-16bits)             |
| HR5433           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5434           |                                              |        |        | HR5433 (Lo-16bits)             |
| HR5435           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5436           |                                              |        |        | HR5435 (Lo-16bits)             |

| Holding Register | Parameter                                          | Access | Length |                                                        |
|------------------|----------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5437           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5438           |                                                    |        |        | HR5437 (Lo-16bits)                                     |
| HR5439           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5440           |                                                    |        |        | HR5439 (Lo-16bits)                                     |
| HR5441           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5442           |                                                    |        |        | HR5441 (Lo-16bits)                                     |
| HR5443           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5444           |                                                    |        |        | HR5443 (Lo-16bits)                                     |
| HR5445           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5446           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5447           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5448           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5449           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5450           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5451           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5452           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5453           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5454           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5455           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5456           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5457           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5458           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5459           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5460           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5461           | DEF1:Definite operating<br>time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5462           |                                                    |        |        | HR5461 (Lo-16bits)                                     |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR5463           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5464           |                                                 |        |        | HR5463 (Lo-16bits)           |
| HR5465           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5466           |                                                 |        |        | HR5465 (Lo-16bits)           |
| HR5467           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5468           |                                                 |        |        | HR5467 (Lo-16bits)           |
| HR5469           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5470           |                                                 |        |        | HR5469 (Lo-16bits)           |
| HR5471           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5472           |                                                 |        |        | HR5471 (Lo-16bits)           |
| HR5473           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5474           |                                                 |        |        | HR5473 (Lo-16bits)           |
| HR5475           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5476           |                                                 |        |        | HR5475 (Lo-16bits)           |
| HR5477           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5478           |                                                 |        |        | HR5477 (Lo-16bits)           |
| HR5479           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5480           |                                                 |        |        | HR5479 (Lo-16bits)           |
| HR5481           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5482           |                                                 |        |        | HR5481 (Lo-16bits)           |
| HR5483           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5484           |                                                 |        |        | HR5483 (Lo-16bits)           |
| HR5485           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5486           |                                                 |        |        | HR5485 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5487           | DEF1:Definite operating time delay(Uneearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5488           |                                                |        |        | HR5487 (Lo-16bits)           |
| HR5489           | DEF1:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5490           |                                                |        |        | HR5489 (Lo-16bits)           |
| HR5491           | DEF1:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5492           |                                                |        |        | HR5491 (Lo-16bits)           |
| HR5493           | DEF1:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5494           |                                                |        |        | HR5493 (Lo-16bits)           |
| HR5495           | DEF1:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5496           |                                                |        |        | HR5495 (Lo-16bits)           |
| HR5497           | DEF1:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5498           |                                                |        |        | HR5497 (Lo-16bits)           |
| HR5499           | DEF1:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5500           |                                                |        |        | HR5499 (Lo-16bits)           |
| HR5501           | DEF1:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5502           |                                                |        |        | HR5501 (Lo-16bits)           |
| HR5503           | DEF1:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5504           |                                                |        |        | HR5503 (Lo-16bits)           |
| HR5505           | DEF1:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5506           |                                                |        |        | HR5505 (Lo-16bits)           |
| HR5507           | DEF1:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5508           |                                                |        |        | HR5507 (Lo-16bits)           |
| HR5509           | DEF1:Delay curve series                        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5510           | DEF1:Delay curve series                        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5511           | DEF1:Delay curve series                        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5512           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5513           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5514           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5515           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5516           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5517           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5518           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5519           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5520           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5521           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5522           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5523           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5524           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5525           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5526           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5527           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5528           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5529           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5530           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5531           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5532           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5533           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |



| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR5534           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5535           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5536           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5537           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5538           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5539           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5540           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5541           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5542           |                               |        |        | HR5541 (Lo-16bits)            |
| HR5543           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5544           |                               |        |        | HR5543 (Lo-16bits)            |
| HR5545           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5546           |                               |        |        | HR5545 (Lo-16bits)            |
| HR5547           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5548           |                               |        |        | HR5547 (Lo-16bits)            |
| HR5549           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5550           |                               |        |        | HR5549 (Lo-16bits)            |
| HR5551           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5552           |                               |        |        | HR5551 (Lo-16bits)            |
| HR5553           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5554           |                               |        |        | HR5553 (Lo-16bits)            |
| HR5555           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5556           |                               |        |        | HR5555 (Lo-16bits)            |
| HR5557           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5558           |                               |        |        | HR5557 (Lo-16bits)            |
| HR5559           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5560           |                               |        |        | HR5559 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5561           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5562           |                    |        |        | HR5561 (Lo-16bits)          |
| HR5563           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5564           |                    |        |        | HR5563 (Lo-16bits)          |
| HR5565           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5566           |                    |        |        | HR5565 (Lo-16bits)          |
| HR5567           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5568           |                    |        |        | HR5567 (Lo-16bits)          |
| HR5569           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5570           |                    |        |        | HR5569 (Lo-16bits)          |
| HR5571           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5572           |                    |        |        | HR5571 (Lo-16bits)          |
| HR5573           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5574           |                    |        |        | HR5573 (Lo-16bits)          |
| HR5575           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5576           |                    |        |        | HR5575 (Lo-16bits)          |
| HR5577           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5578           |                    |        |        | HR5577 (Lo-16bits)          |
| HR5579           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5580           |                    |        |        | HR5579 (Lo-16bits)          |
| HR5581           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5582           |                    |        |        | HR5581 (Lo-16bits)          |
| HR5583           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5584           |                    |        |        | HR5583 (Lo-16bits)          |
| HR5585           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5586           |                    |        |        | HR5585 (Lo-16bits)          |
| HR5587           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5588           |                    |        |        | HR5587 (Lo-16bits)          |
| HR5589           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5590           |                    |        |        | HR5589 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5591           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5592           |                                                                         |        |        | HR5591 (Lo-16bits)           |
| HR5593           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5594           |                                                                         |        |        | HR5593 (Lo-16bits)           |
| HR5595           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5596           |                                                                         |        |        | HR5595 (Lo-16bits)           |
| HR5597           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5598           |                                                                         |        |        | HR5597 (Lo-16bits)           |
| HR5599           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5600           |                                                                         |        |        | HR5599 (Lo-16bits)           |
| HR5601           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5602           |                                                                         |        |        | HR5601 (Lo-16bits)           |
| HR5603           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5604           |                                                                         |        |        | HR5603 (Lo-16bits)           |
| HR5605           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5606           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5607           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5608           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5609           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5610           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5611           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5612           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5613           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5614           |                                                                         |        |        | HR5613 (Lo-16bits)           |
| HR5615           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5616           |                                                |        |        | HR5615 (Lo-16bits)           |
| HR5617           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5618           |                                                |        |        | HR5617 (Lo-16bits)           |
| HR5619           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5620           |                                                |        |        | HR5619 (Lo-16bits)           |
| HR5621           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5622           |                                                |        |        | HR5621 (Lo-16bits)           |
| HR5623           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5624           |                                                |        |        | HR5623 (Lo-16bits)           |
| HR5625           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5626           |                                                |        |        | HR5625 (Lo-16bits)           |
| HR5627           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5628           |                                                |        |        | HR5627 (Lo-16bits)           |
| HR5629           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5630           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5631           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5632           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5633           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5634           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5635           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5636           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5637           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5638           |                                                |        |        | HR5637 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5639           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5640           |                                                    |        |        | HR5639 (Lo-16bits)          |
| HR5641           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5642           |                                                    |        |        | HR5641 (Lo-16bits)          |
| HR5643           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5644           |                                                    |        |        | HR5643 (Lo-16bits)          |
| HR5645           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5646           |                                                    |        |        | HR5645 (Lo-16bits)          |
| HR5647           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5648           |                                                    |        |        | HR5647 (Lo-16bits)          |
| HR5649           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5650           |                                                    |        |        | HR5649 (Lo-16bits)          |
| HR5651           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5652           |                                                    |        |        | HR5651 (Lo-16bits)          |
| HR5653           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5654           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5655           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5656           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5657           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5658           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5659           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5660           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5661           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5662           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR5663           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5664           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5665           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5666           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5667           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5668           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5669           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5670           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5671           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5672           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5673           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5674           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5675           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5676           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5677           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5678           |                                                    |        |        | HR5677 (Lo-16bits)                                          |
| HR5679           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5680           |                                                    |        |        | HR5679 (Lo-16bits)                                          |
| HR5681           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5682           |                                                    |        |        | HR5681 (Lo-16bits)                                          |
| HR5683           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5684           |                                                    |        |        | HR5683 (Lo-16bits)                                          |

| Holding Register | Parameter                       | Access | Length |                                |
|------------------|---------------------------------|--------|--------|--------------------------------|
| HR5685           | DEF2:Pick-up setting<br>I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5686           |                                 |        |        | HR5685 (Lo-16bits)             |
| HR5687           | DEF2:Pick-up setting<br>I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5688           |                                 |        |        | HR5687 (Lo-16bits)             |
| HR5689           | DEF2:Pick-up setting<br>I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5690           |                                 |        |        | HR5689 (Lo-16bits)             |
| HR5691           | DEF2:Pick-up setting<br>I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5692           |                                 |        |        | HR5691 (Lo-16bits)             |
| HR5693           | DEF2:Pick-up setting<br>U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5694           |                                 |        |        | HR5693 (Lo-16bits)             |
| HR5695           | DEF2:Pick-up setting<br>U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5696           |                                 |        |        | HR5695 (Lo-16bits)             |
| HR5697           | DEF2:Pick-up setting<br>U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5698           |                                 |        |        | HR5697 (Lo-16bits)             |
| HR5699           | DEF2:Pick-up setting<br>U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5700           |                                 |        |        | HR5699 (Lo-16bits)             |
| HR5701           | DEF2:Pick-up setting<br>U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5702           |                                 |        |        | HR5701 (Lo-16bits)             |
| HR5703           | DEF2:Pick-up setting<br>U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5704           |                                 |        |        | HR5703 (Lo-16bits)             |
| HR5705           | DEF2:Pick-up setting<br>U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5706           |                                 |        |        | HR5705 (Lo-16bits)             |
| HR5707           | DEF2:Pick-up setting<br>U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5708           |                                 |        |        | HR5707 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5709           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5710           |                                              |        |        | HR5709 (Lo-16bits)             |
| HR5711           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5712           |                                              |        |        | HR5711 (Lo-16bits)             |
| HR5713           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5714           |                                              |        |        | HR5713 (Lo-16bits)             |
| HR5715           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5716           |                                              |        |        | HR5715 (Lo-16bits)             |
| HR5717           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5718           |                                              |        |        | HR5717 (Lo-16bits)             |
| HR5719           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5720           |                                              |        |        | HR5719 (Lo-16bits)             |
| HR5721           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5722           |                                              |        |        | HR5721 (Lo-16bits)             |
| HR5723           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5724           |                                              |        |        | HR5723 (Lo-16bits)             |
| HR5725           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5726           |                                              |        |        | HR5725 (Lo-16bits)             |
| HR5727           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5728           |                                              |        |        | HR5727 (Lo-16bits)             |
| HR5729           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5730           |                                              |        |        | HR5729 (Lo-16bits)             |
| HR5731           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5732           |                                              |        |        | HR5731 (Lo-16bits)             |



| Holding Register | Parameter                                   | Access | Length |                              |
|------------------|---------------------------------------------|--------|--------|------------------------------|
| HR5733           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5734           |                                             |        |        | HR5733 (Lo-16bits)           |
| HR5735           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5736           |                                             |        |        | HR5735 (Lo-16bits)           |
| HR5737           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5738           |                                             |        |        | HR5737 (Lo-16bits)           |
| HR5739           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5740           |                                             |        |        | HR5739 (Lo-16bits)           |
| HR5741           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5742           |                                             |        |        | HR5741 (Lo-16bits)           |
| HR5743           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5744           |                                             |        |        | HR5743 (Lo-16bits)           |
| HR5745           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5746           |                                             |        |        | HR5745 (Lo-16bits)           |
| HR5747           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5748           |                                             |        |        | HR5747 (Lo-16bits)           |
| HR5749           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5750           |                                             |        |        | HR5749 (Lo-16bits)           |
| HR5751           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5752           |                                             |        |        | HR5751 (Lo-16bits)           |
| HR5753           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5754           |                                             |        |        | HR5753 (Lo-16bits)           |
| HR5755           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5756           |                                             |        |        | HR5755 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR5757           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5758           |                                                |        |        | HR5757 (Lo-16bits)          |
| HR5759           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5760           |                                                |        |        | HR5759 (Lo-16bits)          |
| HR5761           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5762           |                                                |        |        | HR5761 (Lo-16bits)          |
| HR5763           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5764           |                                                |        |        | HR5763 (Lo-16bits)          |
| HR5765           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5766           |                                                |        |        | HR5765 (Lo-16bits)          |
| HR5767           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5768           |                                                |        |        | HR5767 (Lo-16bits)          |
| HR5769           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5770           |                                                |        |        | HR5769 (Lo-16bits)          |
| HR5771           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5772           |                                                |        |        | HR5771 (Lo-16bits)          |
| HR5773           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5774           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5775           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5776           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5777           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5778           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5779           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |

| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR5780           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5781           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5782           |                                                |        |        | HR5781 (Lo-16bits)             |
| HR5783           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5784           |                                                |        |        | HR5783 (Lo-16bits)             |
| HR5785           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5786           |                                                |        |        | HR5785 (Lo-16bits)             |
| HR5787           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5788           |                                                |        |        | HR5787 (Lo-16bits)             |
| HR5789           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5790           |                                                |        |        | HR5789 (Lo-16bits)             |
| HR5791           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5792           |                                                |        |        | HR5791 (Lo-16bits)             |
| HR5793           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5794           |                                                |        |        | HR5793 (Lo-16bits)             |
| HR5795           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5796           |                                                |        |        | HR5795 (Lo-16bits)             |
| HR5797           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5798           |                                                |        |        | HR5797 (Lo-16bits)             |
| HR5799           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5800           |                                                |        |        | HR5799 (Lo-16bits)             |
| HR5801           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5802           |                                                |        |        | HR5801 (Lo-16bits)             |
| HR5803           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5804           |                                                |        |        | HR5803 (Lo-16bits)             |
| HR5805           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5806           |                                                |        |        | HR5805 (Lo-16bits)             |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR5807           | DEF2:Unearth. Pick-up setting I0set (I0Sinfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5808           |                                                 |        |        | HR5807 (Lo-16bits)             |
| HR5809           | DEF2:Unearth. Pick-up setting I0set (I0Sinfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5810           |                                                 |        |        | HR5809 (Lo-16bits)             |
| HR5811           | DEF2:Unearth. Pick-up setting I0set (I0Sinfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5812           |                                                 |        |        | HR5811 (Lo-16bits)             |
| HR5813           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5814           |                                                 |        |        | HR5813 (Lo-16bits)             |
| HR5815           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5816           |                                                 |        |        | HR5815 (Lo-16bits)             |
| HR5817           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5818           |                                                 |        |        | HR5817 (Lo-16bits)             |
| HR5819           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5820           |                                                 |        |        | HR5819 (Lo-16bits)             |
| HR5821           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5822           |                                                 |        |        | HR5821 (Lo-16bits)             |
| HR5823           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5824           |                                                 |        |        | HR5823 (Lo-16bits)             |
| HR5825           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5826           |                                                 |        |        | HR5825 (Lo-16bits)             |
| HR5827           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5828           |                                                 |        |        | HR5827 (Lo-16bits)             |
| HR5829           | DEF2:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5830           |                                                 |        |        | HR5829 (Lo-16bits)             |
| HR5831           | DEF2:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |

| Holding Register | Parameter                                     | Access | Length |                                                        |
|------------------|-----------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5832           |                                               |        |        | HR5831 (Lo-16bits)                                     |
| HR5833           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5834           |                                               |        |        | HR5833 (Lo-16bits)                                     |
| HR5835           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5836           |                                               |        |        | HR5835 (Lo-16bits)                                     |
| HR5837           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5838           |                                               |        |        | HR5837 (Lo-16bits)                                     |
| HR5839           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5840           |                                               |        |        | HR5839 (Lo-16bits)                                     |
| HR5841           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5842           |                                               |        |        | HR5841 (Lo-16bits)                                     |
| HR5843           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5844           |                                               |        |        | HR5843 (Lo-16bits)                                     |
| HR5845           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5846           |                                               |        |        | HR5845 (Lo-16bits)                                     |
| HR5847           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5848           |                                               |        |        | HR5847 (Lo-16bits)                                     |
| HR5849           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5850           |                                               |        |        | HR5849 (Lo-16bits)                                     |
| HR5851           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5852           |                                               |        |        | HR5851 (Lo-16bits)                                     |
| HR5853           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5854           |                                               |        |        | HR5853 (Lo-16bits)                                     |
| HR5855           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5856           |                                               |        |        | HR5855 (Lo-16bits)                                     |
| HR5857           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5858           |                                               |        |        | HR5857 (Lo-16bits)                                     |
| HR5859           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5860           |                                               |        |        | HR5859 (Lo-16bits)                                     |
| HR5861           | DEF2:Delay type of broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |

| Holding Register | Parameter                                       | Access | Length |                                                        |
|------------------|-------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5862           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5863           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5864           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5865           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5866           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5867           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5868           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5869           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5870           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5871           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5872           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5873           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5874           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5875           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5876           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5877           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5878           |                                                 |        |        | HR5877 (Lo-16bits)                                     |
| HR5879           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5880           |                                                 |        |        | HR5879 (Lo-16bits)                                     |
| HR5881           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5882           |                                                 |        |        | HR5881 (Lo-16bits)                                     |
| HR5883           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5884           |                                                 |        |        | HR5883 (Lo-16bits)                                     |
| HR5885           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR5886           |                                                 |        |        | HR5885 (Lo-16bits)           |
| HR5887           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5888           |                                                 |        |        | HR5887 (Lo-16bits)           |
| HR5889           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5890           |                                                 |        |        | HR5889 (Lo-16bits)           |
| HR5891           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5892           |                                                 |        |        | HR5891 (Lo-16bits)           |
| HR5893           | DEF2:Definite operating time delay(Uneearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5894           |                                                 |        |        | HR5893 (Lo-16bits)           |
| HR5895           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5896           |                                                 |        |        | HR5895 (Lo-16bits)           |
| HR5897           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5898           |                                                 |        |        | HR5897 (Lo-16bits)           |
| HR5899           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5900           |                                                 |        |        | HR5899 (Lo-16bits)           |
| HR5901           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5902           |                                                 |        |        | HR5901 (Lo-16bits)           |
| HR5903           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5904           |                                                 |        |        | HR5903 (Lo-16bits)           |
| HR5905           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5906           |                                                 |        |        | HR5905 (Lo-16bits)           |
| HR5907           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5908           |                                                 |        |        | HR5907 (Lo-16bits)           |
| HR5909           | DEF2:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR5910           |                                              |        |        | HR5909 (Lo-16bits)           |
| HR5911           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5912           |                                              |        |        | HR5911 (Lo-16bits)           |
| HR5913           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5914           |                                              |        |        | HR5913 (Lo-16bits)           |
| HR5915           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5916           |                                              |        |        | HR5915 (Lo-16bits)           |
| HR5917           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5918           |                                              |        |        | HR5917 (Lo-16bits)           |
| HR5919           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5920           |                                              |        |        | HR5919 (Lo-16bits)           |
| HR5921           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5922           |                                              |        |        | HR5921 (Lo-16bits)           |
| HR5923           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5924           |                                              |        |        | HR5923 (Lo-16bits)           |
| HR5925           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5926           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5927           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5928           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5929           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5930           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5931           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5932           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5933           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5934           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |



| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5935           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5936           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5937           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5938           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5939           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5940           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5941           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5942           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5943           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5944           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5945           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5946           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5947           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5948           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5949           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5950           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5951           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5952           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5953           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5954           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR5955           | DEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5956           | DEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5957           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5958           |                               |        |        | HR5957 (Lo-16bits)            |
| HR5959           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5960           |                               |        |        | HR5959 (Lo-16bits)            |
| HR5961           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5962           |                               |        |        | HR5961 (Lo-16bits)            |
| HR5963           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5964           |                               |        |        | HR5963 (Lo-16bits)            |
| HR5965           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5966           |                               |        |        | HR5965 (Lo-16bits)            |
| HR5967           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5968           |                               |        |        | HR5967 (Lo-16bits)            |
| HR5969           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5970           |                               |        |        | HR5969 (Lo-16bits)            |
| HR5971           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5972           |                               |        |        | HR5971 (Lo-16bits)            |
| HR5973           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5974           |                               |        |        | HR5973 (Lo-16bits)            |
| HR5975           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5976           |                               |        |        | HR5975 (Lo-16bits)            |
| HR5977           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5978           |                               |        |        | HR5977 (Lo-16bits)            |
| HR5979           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5980           |                               |        |        | HR5979 (Lo-16bits)            |
| HR5981           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5982           |                               |        |        | HR5981 (Lo-16bits)            |
| HR5983           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5984           |                    |        |        | HR5983 (Lo-16bits)          |
| HR5985           | DEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5986           |                    |        |        | HR5985 (Lo-16bits)          |
| HR5987           | DEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5988           |                    |        |        | HR5987 (Lo-16bits)          |
| HR5989           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5990           |                    |        |        | HR5989 (Lo-16bits)          |
| HR5991           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5992           |                    |        |        | HR5991 (Lo-16bits)          |
| HR5993           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5994           |                    |        |        | HR5993 (Lo-16bits)          |
| HR5995           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5996           |                    |        |        | HR5995 (Lo-16bits)          |
| HR5997           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5998           |                    |        |        | HR5997 (Lo-16bits)          |
| HR5999           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6000           |                    |        |        | HR5999 (Lo-16bits)          |
| HR6001           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6002           |                    |        |        | HR6001 (Lo-16bits)          |
| HR6003           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6004           |                    |        |        | HR6003 (Lo-16bits)          |
| HR6005           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6006           |                    |        |        | HR6005 (Lo-16bits)          |
| HR6007           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6008           |                    |        |        | HR6007 (Lo-16bits)          |
| HR6009           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6010           |                    |        |        | HR6009 (Lo-16bits)          |
| HR6011           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6012           |                    |        |        | HR6011 (Lo-16bits)          |
| HR6013           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6014           |                                                                         |        |        | HR6013 (Lo-16bits)           |
| HR6015           | DEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6016           |                                                                         |        |        | HR6015 (Lo-16bits)           |
| HR6017           | DEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6018           |                                                                         |        |        | HR6017 (Lo-16bits)           |
| HR6019           | DEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6020           |                                                                         |        |        | HR6019 (Lo-16bits)           |
| HR6021           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6022           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6023           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6024           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6025           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6026           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6027           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6028           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6029           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6030           |                                                                         |        |        | HR6029 (Lo-16bits)           |
| HR6031           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6032           |                                                                         |        |        | HR6031 (Lo-16bits)           |
| HR6033           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6034           |                                                                         |        |        | HR6033 (Lo-16bits)           |
| HR6035           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6036           |                                                                         |        |        | HR6035 (Lo-16bits)           |
| HR6037           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6038           |                                                |        |        | HR6037 (Lo-16bits)           |
| HR6039           | DEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6040           |                                                |        |        | HR6039 (Lo-16bits)           |
| HR6041           | DEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6042           |                                                |        |        | HR6041 (Lo-16bits)           |
| HR6043           | DEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6044           |                                                |        |        | HR6043 (Lo-16bits)           |
| HR6045           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6046           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6047           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6048           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6049           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6050           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6051           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6052           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6053           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6054           |                                                |        |        | HR6053 (Lo-16bits)           |
| HR6055           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6056           |                                                |        |        | HR6055 (Lo-16bits)           |
| HR6057           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6058           |                                                |        |        | HR6057 (Lo-16bits)           |
| HR6059           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6060           |                                                |        |        | HR6059 (Lo-16bits)           |
| HR6061           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6062           |                                                |        |        | HR6061 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6063           | DEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6064           |                                                    |        |        | HR6063 (Lo-16bits)          |
| HR6065           | DEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6066           |                                                    |        |        | HR6065 (Lo-16bits)          |
| HR6067           | DEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6068           |                                                    |        |        | HR6067 (Lo-16bits)          |
| HR6069           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6070           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6071           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6072           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6073           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6074           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6075           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6076           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6077           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6078           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6079           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6080           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6081           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6082           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6083           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6084           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6085           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6086           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6087           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6088           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6089           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6090           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6091           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6092           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6093           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6094           |                                                    |        |        | HR6093 (Lo-16bits)                                          |
| HR6095           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6096           |                                                    |        |        | HR6095 (Lo-16bits)                                          |
| HR6097           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6098           |                                                    |        |        | HR6097 (Lo-16bits)                                          |
| HR6099           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6100           |                                                    |        |        | HR6099 (Lo-16bits)                                          |
| HR6101           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6102           |                                                    |        |        | HR6101 (Lo-16bits)                                          |
| HR6103           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6104           |                                                    |        |        | HR6103 (Lo-16bits)                                          |
| HR6105           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6106           |                                                    |        |        | HR6105 (Lo-16bits)                                          |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR6107           | DEF3:Pick-up setting I0set>>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6108           |                                               |        |        | HR6107 (Lo-16bits)             |
| HR6109           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6110           |                                               |        |        | HR6109 (Lo-16bits)             |
| HR6111           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6112           |                                               |        |        | HR6111 (Lo-16bits)             |
| HR6113           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6114           |                                               |        |        | HR6113 (Lo-16bits)             |
| HR6115           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6116           |                                               |        |        | HR6115 (Lo-16bits)             |
| HR6117           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6118           |                                               |        |        | HR6117 (Lo-16bits)             |
| HR6119           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6120           |                                               |        |        | HR6119 (Lo-16bits)             |
| HR6121           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6122           |                                               |        |        | HR6121 (Lo-16bits)             |
| HR6123           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6124           |                                               |        |        | HR6123 (Lo-16bits)             |
| HR6125           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6126           |                                               |        |        | HR6125 (Lo-16bits)             |
| HR6127           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6128           |                                               |        |        | HR6127 (Lo-16bits)             |
| HR6129           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6130           |                                               |        |        | HR6129 (Lo-16bits)             |



| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR6131           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6132           |                                               |        |        | HR6131 (Lo-16bits)             |
| HR6133           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6134           |                                               |        |        | HR6133 (Lo-16bits)             |
| HR6135           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6136           |                                               |        |        | HR6135 (Lo-16bits)             |
| HR6137           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6138           |                                               |        |        | HR6137 (Lo-16bits)             |
| HR6139           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6140           |                                               |        |        | HR6139 (Lo-16bits)             |
| HR6141           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6142           |                                               |        |        | HR6141 (Lo-16bits)             |
| HR6143           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6144           |                                               |        |        | HR6143 (Lo-16bits)             |
| HR6145           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6146           |                                               |        |        | HR6145 (Lo-16bits)             |
| HR6147           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6148           |                                               |        |        | HR6147 (Lo-16bits)             |
| HR6149           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6150           |                                               |        |        | HR6149 (Lo-16bits)             |
| HR6151           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6152           |                                               |        |        | HR6151 (Lo-16bits)             |
| HR6153           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6154           |                                               |        |        | HR6153 (Lo-16bits)             |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6155           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>   | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6156           |                                                |        |        | HR6155 (Lo-16bits)           |
| HR6157           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6158           |                                                |        |        | HR6157 (Lo-16bits)           |
| HR6159           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6160           |                                                |        |        | HR6159 (Lo-16bits)           |
| HR6161           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6162           |                                                |        |        | HR6161 (Lo-16bits)           |
| HR6163           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6164           |                                                |        |        | HR6163 (Lo-16bits)           |
| HR6165           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6166           |                                                |        |        | HR6165 (Lo-16bits)           |
| HR6167           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6168           |                                                |        |        | HR6167 (Lo-16bits)           |
| HR6169           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6170           |                                                |        |        | HR6169 (Lo-16bits)           |
| HR6171           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6172           |                                                |        |        | HR6171 (Lo-16bits)           |
| HR6173           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6174           |                                                |        |        | HR6173 (Lo-16bits)           |
| HR6175           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6176           |                                                |        |        | HR6175 (Lo-16bits)           |
| HR6177           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6178           |                                                |        |        | HR6177 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6179           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6180           |                                                |        |        | HR6179 (Lo-16bits)          |
| HR6181           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6182           |                                                |        |        | HR6181 (Lo-16bits)          |
| HR6183           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6184           |                                                |        |        | HR6183 (Lo-16bits)          |
| HR6185           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6186           |                                                |        |        | HR6185 (Lo-16bits)          |
| HR6187           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6188           |                                                |        |        | HR6187 (Lo-16bits)          |
| HR6189           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6190           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6191           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6192           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6193           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6194           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6195           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6196           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6197           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6198           |                                                |        |        | HR6197 (Lo-16bits)          |
| HR6199           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6200           |                                                |        |        | HR6199 (Lo-16bits)          |
| HR6201           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6202           |                                                |        |        | HR6201 (Lo-16bits)          |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR6203           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6204           |                                                 |        |        | HR6203 (Lo-16bits)             |
| HR6205           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6206           |                                                 |        |        | HR6205 (Lo-16bits)             |
| HR6207           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6208           |                                                 |        |        | HR6207 (Lo-16bits)             |
| HR6209           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6210           |                                                 |        |        | HR6209 (Lo-16bits)             |
| HR6211           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6212           |                                                 |        |        | HR6211 (Lo-16bits)             |
| HR6213           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6214           |                                                 |        |        | HR6213 (Lo-16bits)             |
| HR6215           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6216           |                                                 |        |        | HR6215 (Lo-16bits)             |
| HR6217           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6218           |                                                 |        |        | HR6217 (Lo-16bits)             |
| HR6219           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6220           |                                                 |        |        | HR6219 (Lo-16bits)             |
| HR6221           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6222           |                                                 |        |        | HR6221 (Lo-16bits)             |
| HR6223           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6224           |                                                 |        |        | HR6223 (Lo-16bits)             |
| HR6225           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6226           |                                                 |        |        | HR6225 (Lo-16bits)             |
| HR6227           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6228           |                                                 |        |        | HR6227 (Lo-16bits)             |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6229           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6230           |                                                |        |        | HR6229 (Lo-16bits)          |
| HR6231           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6232           |                                                |        |        | HR6231 (Lo-16bits)          |
| HR6233           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6234           |                                                |        |        | HR6233 (Lo-16bits)          |
| HR6235           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6236           |                                                |        |        | HR6235 (Lo-16bits)          |
| HR6237           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6238           |                                                |        |        | HR6237 (Lo-16bits)          |
| HR6239           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6240           |                                                |        |        | HR6239 (Lo-16bits)          |
| HR6241           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6242           |                                                |        |        | HR6241 (Lo-16bits)          |
| HR6243           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6244           |                                                |        |        | HR6243 (Lo-16bits)          |
| HR6245           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6246           |                                                |        |        | HR6245 (Lo-16bits)          |
| HR6247           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6248           |                                                |        |        | HR6247 (Lo-16bits)          |
| HR6249           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6250           |                                                |        |        | HR6249 (Lo-16bits)          |
| HR6251           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6252           |                                                |        |        | HR6251 (Lo-16bits)          |
| HR6253           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6254           |                                                |        |        | HR6253 (Lo-16bits)          |

| Holding Register | Parameter                                        | Access | Length |                                                        |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6255           | DEF3:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6256           |                                                  |        |        | HR6255 (Lo-16bits)                                     |
| HR6257           | DEF3:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6258           |                                                  |        |        | HR6257 (Lo-16bits)                                     |
| HR6259           | DEF3:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6260           |                                                  |        |        | HR6259 (Lo-16bits)                                     |
| HR6261           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6262           |                                                  |        |        | HR6261 (Lo-16bits)                                     |
| HR6263           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6264           |                                                  |        |        | HR6263 (Lo-16bits)                                     |
| HR6265           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6266           |                                                  |        |        | HR6265 (Lo-16bits)                                     |
| HR6267           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6268           |                                                  |        |        | HR6267 (Lo-16bits)                                     |
| HR6269           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6270           |                                                  |        |        | HR6269 (Lo-16bits)                                     |
| HR6271           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6272           |                                                  |        |        | HR6271 (Lo-16bits)                                     |
| HR6273           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6274           |                                                  |        |        | HR6273 (Lo-16bits)                                     |
| HR6275           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6276           |                                                  |        |        | HR6275 (Lo-16bits)                                     |
| HR6277           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6278           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6279           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6280           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6281           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |

| Holding Register | Parameter                                       | Access | Length |                                                        |
|------------------|-------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6282           | DEF3:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6283           | DEF3:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6284           | DEF3:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6285           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6286           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6287           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6288           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6289           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6290           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6291           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6292           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6293           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6294           |                                                 |        |        | HR6293 (Lo-16bits)                                     |
| HR6295           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6296           |                                                 |        |        | HR6295 (Lo-16bits)                                     |
| HR6297           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6298           |                                                 |        |        | HR6297 (Lo-16bits)                                     |
| HR6299           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6300           |                                                 |        |        | HR6299 (Lo-16bits)                                     |
| HR6301           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6302           |                                                 |        |        | HR6301 (Lo-16bits)                                     |
| HR6303           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6304           |                                                 |        |        | HR6303 (Lo-16bits)                                     |
| HR6305           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6306           |                                                 |        |        | HR6305 (Lo-16bits)                                     |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR6307           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6308           |                                                 |        |        | HR6307 (Lo-16bits)           |
| HR6309           | DEF3:Definite operating time delay(Uneared)     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6310           |                                                 |        |        | HR6309 (Lo-16bits)           |
| HR6311           | DEF3:Definite operating time delay(Uneared)     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6312           |                                                 |        |        | HR6311 (Lo-16bits)           |
| HR6313           | DEF3:Definite operating time delay(Uneared)     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6314           |                                                 |        |        | HR6313 (Lo-16bits)           |
| HR6315           | DEF3:Definite operating time delay(Uneared)     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6316           |                                                 |        |        | HR6315 (Lo-16bits)           |
| HR6317           | DEF3:Definite operating time delay(Uneared)     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6318           |                                                 |        |        | HR6317 (Lo-16bits)           |
| HR6319           | DEF3:Definite operating time delay(Uneared)     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6320           |                                                 |        |        | HR6319 (Lo-16bits)           |
| HR6321           | DEF3:Definite operating time delay(Uneared)     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6322           |                                                 |        |        | HR6321 (Lo-16bits)           |
| HR6323           | DEF3:Definite operating time delay(Uneared)     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6324           |                                                 |        |        | HR6323 (Lo-16bits)           |
| HR6325           | DEF3:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6326           |                                                 |        |        | HR6325 (Lo-16bits)           |
| HR6327           | DEF3:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6328           |                                                 |        |        | HR6327 (Lo-16bits)           |
| HR6329           | DEF3:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6330           |                                                 |        |        | HR6329 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6331           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6332           |                                              |        |        | HR6331 (Lo-16bits)           |
| HR6333           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6334           |                                              |        |        | HR6333 (Lo-16bits)           |
| HR6335           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6336           |                                              |        |        | HR6335 (Lo-16bits)           |
| HR6337           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6338           |                                              |        |        | HR6337 (Lo-16bits)           |
| HR6339           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6340           |                                              |        |        | HR6339 (Lo-16bits)           |
| HR6341           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6342           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6343           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6344           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6345           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6346           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6347           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6348           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6349           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6350           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6351           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6352           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6353           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6354           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR6355           | DEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6356           | DEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6357           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6358           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6359           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6360           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6361           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6362           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6363           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6364           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6365           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6366           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6367           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6368           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6369           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6370           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6371           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6372           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6373           | DEF3:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6374           |                                |        |        | HR6373 (Lo-16bits)                                          |
| HR6375           | DEF3:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6376           |                          |        |        | HR6375 (Lo-16bits)            |
| HR6377           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6378           |                          |        |        | HR6377 (Lo-16bits)            |
| HR6379           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6380           |                          |        |        | HR6379 (Lo-16bits)            |
| HR6381           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6382           |                          |        |        | HR6381 (Lo-16bits)            |
| HR6383           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6384           |                          |        |        | HR6383 (Lo-16bits)            |
| HR6385           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6386           |                          |        |        | HR6385 (Lo-16bits)            |
| HR6387           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6388           |                          |        |        | HR6387 (Lo-16bits)            |
| HR6389           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6390           |                          |        |        | HR6389 (Lo-16bits)            |
| HR6391           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6392           |                          |        |        | HR6391 (Lo-16bits)            |
| HR6393           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6394           |                          |        |        | HR6393 (Lo-16bits)            |
| HR6395           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6396           |                          |        |        | HR6395 (Lo-16bits)            |
| HR6397           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6398           |                          |        |        | HR6397 (Lo-16bits)            |
| HR6399           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6400           |                          |        |        | HR6399 (Lo-16bits)            |
| HR6401           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6402           |                          |        |        | HR6401 (Lo-16bits)            |
| HR6403           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6404           |                          |        |        | HR6403 (Lo-16bits)            |
| HR6405           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR6406           |                    |        |        | HR6405 (Lo-16bits)          |
| HR6407           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6408           |                    |        |        | HR6407 (Lo-16bits)          |
| HR6409           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6410           |                    |        |        | HR6409 (Lo-16bits)          |
| HR6411           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6412           |                    |        |        | HR6411 (Lo-16bits)          |
| HR6413           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6414           |                    |        |        | HR6413 (Lo-16bits)          |
| HR6415           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6416           |                    |        |        | HR6415 (Lo-16bits)          |
| HR6417           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6418           |                    |        |        | HR6417 (Lo-16bits)          |
| HR6419           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6420           |                    |        |        | HR6419 (Lo-16bits)          |
| HR6421           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6422           |                    |        |        | HR6421 (Lo-16bits)          |
| HR6423           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6424           |                    |        |        | HR6423 (Lo-16bits)          |
| HR6425           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6426           |                    |        |        | HR6425 (Lo-16bits)          |
| HR6427           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6428           |                    |        |        | HR6427 (Lo-16bits)          |
| HR6429           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6430           |                    |        |        | HR6429 (Lo-16bits)          |
| HR6431           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6432           |                    |        |        | HR6431 (Lo-16bits)          |
| HR6433           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6434           |                    |        |        | HR6433 (Lo-16bits)          |
| HR6435           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6436           |                                                                         |        |        | HR6435 (Lo-16bits)           |
| HR6437           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6438           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6439           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6440           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6441           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6442           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6443           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6444           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6445           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6446           |                                                                         |        |        | HR6445 (Lo-16bits)           |
| HR6447           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6448           |                                                                         |        |        | HR6447 (Lo-16bits)           |
| HR6449           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6450           |                                                                         |        |        | HR6449 (Lo-16bits)           |
| HR6451           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6452           |                                                                         |        |        | HR6451 (Lo-16bits)           |
| HR6453           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6454           |                                                                         |        |        | HR6453 (Lo-16bits)           |
| HR6455           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6456           |                                                                         |        |        | HR6455 (Lo-16bits)           |
| HR6457           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6458           |                                                                         |        |        | HR6457 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6459           | DEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6460           |                                                |        |        | HR6459 (Lo-16bits)           |
| HR6461           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6462           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6463           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6464           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6465           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6466           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6467           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6468           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6469           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6470           |                                                |        |        | HR6469 (Lo-16bits)           |
| HR6471           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6472           |                                                |        |        | HR6471 (Lo-16bits)           |
| HR6473           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6474           |                                                |        |        | HR6473 (Lo-16bits)           |
| HR6475           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6476           |                                                |        |        | HR6475 (Lo-16bits)           |
| HR6477           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6478           |                                                |        |        | HR6477 (Lo-16bits)           |
| HR6479           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6480           |                                                |        |        | HR6479 (Lo-16bits)           |
| HR6481           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6482           |                                                |        |        | HR6481 (Lo-16bits)           |
| HR6483           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6484           |                                                |        |        | HR6483 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6485           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6486           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6487           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6488           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6489           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6490           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6491           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6492           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6493           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6494           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6495           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6496           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6497           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6498           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6499           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6500           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6501           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6502           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |

| Holding Register | Parameter                         | Access | Length |                                                             |
|------------------|-----------------------------------|--------|--------|-------------------------------------------------------------|
| HR6503           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6504           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6505           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6506           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6507           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6508           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6509           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6510           |                                   |        |        | HR6509 (Lo-16bits)                                          |
| HR6511           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6512           |                                   |        |        | HR6511 (Lo-16bits)                                          |
| HR6513           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6514           |                                   |        |        | HR6513 (Lo-16bits)                                          |
| HR6515           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6516           |                                   |        |        | HR6515 (Lo-16bits)                                          |
| HR6517           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6518           |                                   |        |        | HR6517 (Lo-16bits)                                          |
| HR6519           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6520           |                                   |        |        | HR6519 (Lo-16bits)                                          |
| HR6521           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6522           |                                   |        |        | HR6521 (Lo-16bits)                                          |
| HR6523           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6524           |                                   |        |        | HR6523 (Lo-16bits)                                          |
| HR6525           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |
| HR6526           |                                   |        |        | HR6525 (Lo-16bits)                                          |
| HR6527           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |



| Holding Register | Parameter                                         | Access | Length |                                |
|------------------|---------------------------------------------------|--------|--------|--------------------------------|
| HR6528           |                                                   |        |        | HR6527 (Lo-16bits)             |
| HR6529           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6530           |                                                   |        |        | HR6529 (Lo-16bits)             |
| HR6531           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6532           |                                                   |        |        | HR6531 (Lo-16bits)             |
| HR6533           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6534           |                                                   |        |        | HR6533 (Lo-16bits)             |
| HR6535           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6536           |                                                   |        |        | HR6535 (Lo-16bits)             |
| HR6537           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6538           |                                                   |        |        | HR6537 (Lo-16bits)             |
| HR6539           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6540           |                                                   |        |        | HR6539 (Lo-16bits)             |
| HR6541           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6542           |                                                   |        |        | HR6541 (Lo-16bits)             |
| HR6543           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6544           |                                                   |        |        | HR6543 (Lo-16bits)             |
| HR6545           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6546           |                                                   |        |        | HR6545 (Lo-16bits)             |
| HR6547           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6548           |                                                   |        |        | HR6547 (Lo-16bits)             |
| HR6549           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6550           |                                                   |        |        | HR6549 (Lo-16bits)             |
| HR6551           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR6552           |                                                |        |        | HR6551 (Lo-16bits)             |
| HR6553           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6554           |                                                |        |        | HR6553 (Lo-16bits)             |
| HR6555           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6556           |                                                |        |        | HR6555 (Lo-16bits)             |
| HR6557           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6558           |                                                |        |        | HR6557 (Lo-16bits)             |
| HR6559           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6560           |                                                |        |        | HR6559 (Lo-16bits)             |
| HR6561           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6562           |                                                |        |        | HR6561 (Lo-16bits)             |
| HR6563           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6564           |                                                |        |        | HR6563 (Lo-16bits)             |
| HR6565           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6566           |                                                |        |        | HR6565 (Lo-16bits)             |
| HR6567           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6568           |                                                |        |        | HR6567 (Lo-16bits)             |
| HR6569           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6570           |                                                |        |        | HR6569 (Lo-16bits)             |
| HR6571           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6572           |                                                |        |        | HR6571 (Lo-16bits)             |
| HR6573           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |
| HR6574           |                                                |        |        | HR6573 (Lo-16bits)             |
| HR6575           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |

| Holding Register | Parameter                                         | Access | Length |                              |
|------------------|---------------------------------------------------|--------|--------|------------------------------|
| HR6576           |                                                   |        |        | HR6575 (Lo-16bits)           |
| HR6577           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6578           |                                                   |        |        | HR6577 (Lo-16bits)           |
| HR6579           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6580           |                                                   |        |        | HR6579 (Lo-16bits)           |
| HR6581           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6582           |                                                   |        |        | HR6581 (Lo-16bits)           |
| HR6583           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6584           |                                                   |        |        | HR6583 (Lo-16bits)           |
| HR6585           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6586           |                                                   |        |        | HR6585 (Lo-16bits)           |
| HR6587           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6588           |                                                   |        |        | HR6587 (Lo-16bits)           |
| HR6589           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6590           |                                                   |        |        | HR6589 (Lo-16bits)           |
| HR6591           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6592           |                                                   |        |        | HR6591 (Lo-16bits)           |
| HR6593           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6594           |                                                   |        |        | HR6593 (Lo-16bits)           |
| HR6595           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6596           |                                                   |        |        | HR6595 (Lo-16bits)           |
| HR6597           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6598           |                                                   |        |        | HR6597 (Lo-16bits)           |
| HR6599           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6600           |                                                |        |        | HR6599 (Lo-16bits)          |
| HR6601           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6602           |                                                |        |        | HR6601 (Lo-16bits)          |
| HR6603           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6604           |                                                |        |        | HR6603 (Lo-16bits)          |
| HR6605           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6606           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6607           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6608           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6609           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6610           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6611           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6612           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6613           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6614           |                                                |        |        | HR6613 (Lo-16bits)          |
| HR6615           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6616           |                                                |        |        | HR6615 (Lo-16bits)          |
| HR6617           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6618           |                                                |        |        | HR6617 (Lo-16bits)          |
| HR6619           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6620           |                                                |        |        | HR6619 (Lo-16bits)          |
| HR6621           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6622           |                                                |        |        | HR6621 (Lo-16bits)          |
| HR6623           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6624           |                                                |        |        | HR6623 (Lo-16bits)          |

| Holding Register | Parameter                                        | Access | Length |                                |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6625           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6626           |                                                  |        |        | HR6625 (Lo-16bits)             |
| HR6627           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6628           |                                                  |        |        | HR6627 (Lo-16bits)             |
| HR6629           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6630           |                                                  |        |        | HR6629 (Lo-16bits)             |
| HR6631           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6632           |                                                  |        |        | HR6631 (Lo-16bits)             |
| HR6633           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6634           |                                                  |        |        | HR6633 (Lo-16bits)             |
| HR6635           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6636           |                                                  |        |        | HR6635 (Lo-16bits)             |
| HR6637           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6638           |                                                  |        |        | HR6637 (Lo-16bits)             |
| HR6639           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6640           |                                                  |        |        | HR6639 (Lo-16bits)             |
| HR6641           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6642           |                                                  |        |        | HR6641 (Lo-16bits)             |
| HR6643           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6644           |                                                  |        |        | HR6643 (Lo-16bits)             |
| HR6645           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6646           |                                                  |        |        | HR6645 (Lo-16bits)             |
| HR6647           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6648           |                                                  |        |        | HR6647 (Lo-16bits)             |
| HR6649           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR6650           |                                                 |        |        | HR6649 (Lo-16bits)             |
| HR6651           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6652           |                                                 |        |        | HR6651 (Lo-16bits)             |
| HR6653           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6654           |                                                 |        |        | HR6653 (Lo-16bits)             |
| HR6655           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6656           |                                                 |        |        | HR6655 (Lo-16bits)             |
| HR6657           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6658           |                                                 |        |        | HR6657 (Lo-16bits)             |
| HR6659           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6660           |                                                 |        |        | HR6659 (Lo-16bits)             |
| HR6661           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6662           |                                                 |        |        | HR6661 (Lo-16bits)             |
| HR6663           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6664           |                                                 |        |        | HR6663 (Lo-16bits)             |
| HR6665           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6666           |                                                 |        |        | HR6665 (Lo-16bits)             |
| HR6667           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6668           |                                                 |        |        | HR6667 (Lo-16bits)             |
| HR6669           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6670           |                                                 |        |        | HR6669 (Lo-16bits)             |
| HR6671           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6672           |                                                 |        |        | HR6671 (Lo-16bits)             |
| HR6673           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6674           |                                                 |        |        | HR6673 (Lo-16bits)             |
| HR6675           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6676           |                                                 |        |        | HR6675 (Lo-16bits)             |
| HR6677           | DEF4:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |

| Holding Register | Parameter                                        | Access | Length |                                                        |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6678           |                                                  |        |        | HR6677 (Lo-16bits)                                     |
| HR6679           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6680           |                                                  |        |        | HR6679 (Lo-16bits)                                     |
| HR6681           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6682           |                                                  |        |        | HR6681 (Lo-16bits)                                     |
| HR6683           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6684           |                                                  |        |        | HR6683 (Lo-16bits)                                     |
| HR6685           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6686           |                                                  |        |        | HR6685 (Lo-16bits)                                     |
| HR6687           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6688           |                                                  |        |        | HR6687 (Lo-16bits)                                     |
| HR6689           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6690           |                                                  |        |        | HR6689 (Lo-16bits)                                     |
| HR6691           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6692           |                                                  |        |        | HR6691 (Lo-16bits)                                     |
| HR6693           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6694           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6695           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6696           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6697           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6698           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6699           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6700           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR6701           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6702           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6703           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR6704           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6705           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6706           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6707           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6708           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6709           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6710           |                                                 |        |        | HR6709 (Lo-16bits)           |
| HR6711           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6712           |                                                 |        |        | HR6711 (Lo-16bits)           |
| HR6713           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6714           |                                                 |        |        | HR6713 (Lo-16bits)           |
| HR6715           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6716           |                                                 |        |        | HR6715 (Lo-16bits)           |
| HR6717           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6718           |                                                 |        |        | HR6717 (Lo-16bits)           |
| HR6719           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6720           |                                                 |        |        | HR6719 (Lo-16bits)           |
| HR6721           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6722           |                                                 |        |        | HR6721 (Lo-16bits)           |
| HR6723           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6724           |                                                 |        |        | HR6723 (Lo-16bits)           |
| HR6725           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6726           |                                                 |        |        | HR6725 (Lo-16bits)           |
| HR6727           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6728           |                                                 |        |        | HR6727 (Lo-16bits)           |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6729           | DEF4:Definite operating time delay(Uneearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6730           |                                                |        |        | HR6729 (Lo-16bits)           |
| HR6731           | DEF4:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6732           |                                                |        |        | HR6731 (Lo-16bits)           |
| HR6733           | DEF4:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6734           |                                                |        |        | HR6733 (Lo-16bits)           |
| HR6735           | DEF4:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6736           |                                                |        |        | HR6735 (Lo-16bits)           |
| HR6737           | DEF4:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6738           |                                                |        |        | HR6737 (Lo-16bits)           |
| HR6739           | DEF4:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6740           |                                                |        |        | HR6739 (Lo-16bits)           |
| HR6741           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6742           |                                                |        |        | HR6741 (Lo-16bits)           |
| HR6743           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6744           |                                                |        |        | HR6743 (Lo-16bits)           |
| HR6745           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6746           |                                                |        |        | HR6745 (Lo-16bits)           |
| HR6747           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6748           |                                                |        |        | HR6747 (Lo-16bits)           |
| HR6749           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6750           |                                                |        |        | HR6749 (Lo-16bits)           |
| HR6751           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6752           |                                                |        |        | HR6751 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6753           | DEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6754           |                                              |        |        | HR6753 (Lo-16bits)                                          |
| HR6755           | DEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6756           |                                              |        |        | HR6755 (Lo-16bits)                                          |
| HR6757           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6758           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6759           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6760           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6761           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6762           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6763           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6764           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6765           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6766           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6767           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6768           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6769           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6770           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6771           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6772           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6773           | DEF4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6774           | DEF4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6775           | DEF4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR6776           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6777           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6778           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6779           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6780           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6781           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6782           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6783           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6784           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6785           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6786           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6787           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6788           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6789           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6790           |                               |        |        | HR6789 (Lo-16bits)                                          |
| HR6791           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6792           |                               |        |        | HR6791 (Lo-16bits)                                          |
| HR6793           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6794           |                               |        |        | HR6793 (Lo-16bits)                                          |
| HR6795           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6796           |                               |        |        | HR6795 (Lo-16bits)                                          |
| HR6797           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6798           |                               |        |        | HR6797 (Lo-16bits)                                          |
| HR6799           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6800           |                          |        |        | HR6799 (Lo-16bits)            |
| HR6801           | DEF4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6802           |                          |        |        | HR6801 (Lo-16bits)            |
| HR6803           | DEF4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6804           |                          |        |        | HR6803 (Lo-16bits)            |
| HR6805           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6806           |                          |        |        | HR6805 (Lo-16bits)            |
| HR6807           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6808           |                          |        |        | HR6807 (Lo-16bits)            |
| HR6809           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6810           |                          |        |        | HR6809 (Lo-16bits)            |
| HR6811           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6812           |                          |        |        | HR6811 (Lo-16bits)            |
| HR6813           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6814           |                          |        |        | HR6813 (Lo-16bits)            |
| HR6815           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6816           |                          |        |        | HR6815 (Lo-16bits)            |
| HR6817           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6818           |                          |        |        | HR6817 (Lo-16bits)            |
| HR6819           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6820           |                          |        |        | HR6819 (Lo-16bits)            |
| HR6821           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6822           |                          |        |        | HR6821 (Lo-16bits)            |
| HR6823           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6824           |                          |        |        | HR6823 (Lo-16bits)            |
| HR6825           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6826           |                          |        |        | HR6825 (Lo-16bits)            |
| HR6827           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6828           |                          |        |        | HR6827 (Lo-16bits)            |
| HR6829           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6830           |                                                    |        |        | HR6829 (Lo-16bits)          |
| HR6831           | DEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6832           |                                                    |        |        | HR6831 (Lo-16bits)          |
| HR6833           | DEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6834           |                                                    |        |        | HR6833 (Lo-16bits)          |
| HR6835           | DEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6836           |                                                    |        |        | HR6835 (Lo-16bits)          |
| HR6837           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6838           |                                                    |        |        | HR6837 (Lo-16bits)          |
| HR6839           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6840           |                                                    |        |        | HR6839 (Lo-16bits)          |
| HR6841           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6842           |                                                    |        |        | HR6841 (Lo-16bits)          |
| HR6843           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6844           |                                                    |        |        | HR6843 (Lo-16bits)          |
| HR6845           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6846           |                                                    |        |        | HR6845 (Lo-16bits)          |
| HR6847           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6848           |                                                    |        |        | HR6847 (Lo-16bits)          |
| HR6849           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6850           |                                                    |        |        | HR6849 (Lo-16bits)          |
| HR6851           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6852           |                                                    |        |        | HR6851 (Lo-16bits)          |
| HR6853           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6854           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6855           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6856           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6857           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR6858           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6859           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6860           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6861           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6862           |                                                    |        |        | HR6861 (Lo-16bits)           |
| HR6863           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6864           |                                                    |        |        | HR6863 (Lo-16bits)           |
| HR6865           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6866           |                                                    |        |        | HR6865 (Lo-16bits)           |
| HR6867           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6868           |                                                    |        |        | HR6867 (Lo-16bits)           |
| HR6869           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6870           |                                                    |        |        | HR6869 (Lo-16bits)           |
| HR6871           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6872           |                                                    |        |        | HR6871 (Lo-16bits)           |
| HR6873           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6874           |                                                    |        |        | HR6873 (Lo-16bits)           |
| HR6875           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6876           |                                                    |        |        | HR6875 (Lo-16bits)           |
| HR6877           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6878           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6879           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6880           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR6881           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6882           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6883           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6884           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6885           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6886           |                                            |        |        | HR6885 (Lo-16bits)          |
| HR6887           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6888           |                                            |        |        | HR6887 (Lo-16bits)          |
| HR6889           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6890           |                                            |        |        | HR6889 (Lo-16bits)          |
| HR6891           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6892           |                                            |        |        | HR6891 (Lo-16bits)          |
| HR6893           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6894           |                                            |        |        | HR6893 (Lo-16bits)          |
| HR6895           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6896           |                                            |        |        | HR6895 (Lo-16bits)          |
| HR6897           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6898           |                                            |        |        | HR6897 (Lo-16bits)          |
| HR6899           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6900           |                                            |        |        | HR6899 (Lo-16bits)          |
| HR6901           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6902           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6903           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6904           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6905           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR6906           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR6907           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR6908           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR6909           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6910           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6911           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6912           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6913           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6914           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6915           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6916           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6917           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6918           |                                                    |        |        | HR6917 (Lo-16bits)            |
| HR6919           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6920           |                                                    |        |        | HR6919 (Lo-16bits)            |
| HR6921           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6922           |                                                    |        |        | HR6921 (Lo-16bits)            |
| HR6923           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6924           |                                                    |        |        | HR6923 (Lo-16bits)            |



| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR6925           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6926           |                               |        |        | HR6925 (Lo-16bits)            |
| HR6927           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6928           |                               |        |        | HR6927 (Lo-16bits)            |
| HR6929           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6930           |                               |        |        | HR6929 (Lo-16bits)            |
| HR6931           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6932           |                               |        |        | HR6931 (Lo-16bits)            |
| HR6933           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6934           |                               |        |        | HR6933 (Lo-16bits)            |
| HR6935           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6936           |                               |        |        | HR6935 (Lo-16bits)            |
| HR6937           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6938           |                               |        |        | HR6937 (Lo-16bits)            |
| HR6939           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6940           |                               |        |        | HR6939 (Lo-16bits)            |
| HR6941           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6942           |                               |        |        | HR6941 (Lo-16bits)            |
| HR6943           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6944           |                               |        |        | HR6943 (Lo-16bits)            |
| HR6945           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6946           |                               |        |        | HR6945 (Lo-16bits)            |
| HR6947           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6948           |                               |        |        | HR6947 (Lo-16bits)            |
| HR6949           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR6950           |                               |        |        | HR6949 (Lo-16bits)            |
| HR6951           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6952           |                                              |        |        | HR6951 (Lo-16bits)           |
| HR6953           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6954           |                                              |        |        | HR6953 (Lo-16bits)           |
| HR6955           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6956           |                                              |        |        | HR6955 (Lo-16bits)           |
| HR6957           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6958           |                                              |        |        | HR6957 (Lo-16bits)           |
| HR6959           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6960           |                                              |        |        | HR6959 (Lo-16bits)           |
| HR6961           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6962           |                                              |        |        | HR6961 (Lo-16bits)           |
| HR6963           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6964           |                                              |        |        | HR6963 (Lo-16bits)           |
| HR6965           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6966           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6967           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6968           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6969           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6970           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6971           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6972           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6973           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6974           |                                              |        |        | HR6973 (Lo-16bits)           |
| HR6975           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6976           |                                              |        |        | HR6975 (Lo-16bits)           |
| HR6977           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6978           |                                              |        |        | HR6977 (Lo-16bits)           |
| HR6979           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6980           |                                              |        |        | HR6979 (Lo-16bits)           |
| HR6981           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6982           |                                              |        |        | HR6981 (Lo-16bits)           |
| HR6983           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6984           |                                              |        |        | HR6983 (Lo-16bits)           |
| HR6985           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6986           |                                              |        |        | HR6985 (Lo-16bits)           |
| HR6987           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6988           |                                              |        |        | HR6987 (Lo-16bits)           |
| HR6989           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6990           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6991           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6992           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6993           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6994           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6995           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6996           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6997           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6998           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6999           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7000           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7001           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7002           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7003           | CUB1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7004           | CUB1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7005           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7006           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7007           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7008           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7009           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7010           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7011           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7012           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7013           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7014           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7015           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7016           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7017           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7018           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7019           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7020           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7021           | CUB1:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7022           |                                |        |        | HR7021 (Lo-16bits)                                          |
| HR7023           | CUB1:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7024           |                          |        |        | HR7023 (Lo-16bits)            |
| HR7025           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7026           |                          |        |        | HR7025 (Lo-16bits)            |
| HR7027           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7028           |                          |        |        | HR7027 (Lo-16bits)            |
| HR7029           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7030           |                          |        |        | HR7029 (Lo-16bits)            |
| HR7031           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7032           |                          |        |        | HR7031 (Lo-16bits)            |
| HR7033           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7034           |                          |        |        | HR7033 (Lo-16bits)            |
| HR7035           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7036           |                          |        |        | HR7035 (Lo-16bits)            |
| HR7037           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7038           |                          |        |        | HR7037 (Lo-16bits)            |
| HR7039           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7040           |                          |        |        | HR7039 (Lo-16bits)            |
| HR7041           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7042           |                          |        |        | HR7041 (Lo-16bits)            |
| HR7043           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7044           |                          |        |        | HR7043 (Lo-16bits)            |
| HR7045           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7046           |                          |        |        | HR7045 (Lo-16bits)            |
| HR7047           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7048           |                          |        |        | HR7047 (Lo-16bits)            |
| HR7049           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7050           |                          |        |        | HR7049 (Lo-16bits)            |
| HR7051           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7052           |                          |        |        | HR7051 (Lo-16bits)            |
| HR7053           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7054           |                    |        |        | HR7053 (Lo-16bits)          |
| HR7055           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7056           |                    |        |        | HR7055 (Lo-16bits)          |
| HR7057           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7058           |                    |        |        | HR7057 (Lo-16bits)          |
| HR7059           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7060           |                    |        |        | HR7059 (Lo-16bits)          |
| HR7061           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7062           |                    |        |        | HR7061 (Lo-16bits)          |
| HR7063           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7064           |                    |        |        | HR7063 (Lo-16bits)          |
| HR7065           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7066           |                    |        |        | HR7065 (Lo-16bits)          |
| HR7067           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7068           |                    |        |        | HR7067 (Lo-16bits)          |
| HR7069           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7070           |                    |        |        | HR7069 (Lo-16bits)          |
| HR7071           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7072           |                    |        |        | HR7071 (Lo-16bits)          |
| HR7073           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7074           |                    |        |        | HR7073 (Lo-16bits)          |
| HR7075           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7076           |                    |        |        | HR7075 (Lo-16bits)          |
| HR7077           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7078           |                    |        |        | HR7077 (Lo-16bits)          |
| HR7079           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7080           |                    |        |        | HR7079 (Lo-16bits)          |
| HR7081           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7082           |                    |        |        | HR7081 (Lo-16bits)          |
| HR7083           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR7084           |                                            |        |        | HR7083 (Lo-16bits)          |
| HR7085           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7086           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7087           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7088           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7089           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7090           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7091           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7092           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7093           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7094           |                                            |        |        | HR7093 (Lo-16bits)          |
| HR7095           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7096           |                                            |        |        | HR7095 (Lo-16bits)          |
| HR7097           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7098           |                                            |        |        | HR7097 (Lo-16bits)          |
| HR7099           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7100           |                                            |        |        | HR7099 (Lo-16bits)          |
| HR7101           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7102           |                                            |        |        | HR7101 (Lo-16bits)          |
| HR7103           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7104           |                                            |        |        | HR7103 (Lo-16bits)          |
| HR7105           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7106           |                                            |        |        | HR7105 (Lo-16bits)          |
| HR7107           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7108           |                                            |        |        | HR7107 (Lo-16bits)          |
| HR7109           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7110           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7111           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7112           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7113           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7114           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7115           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7116           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7117           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7118           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7119           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7120           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7121           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7122           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7123           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7124           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7125           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7126           |                                                    |        |        | HR7125 (Lo-16bits)            |
| HR7127           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |



| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7128           |                               |        |        | HR7127 (Lo-16bits)            |
| HR7129           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7130           |                               |        |        | HR7129 (Lo-16bits)            |
| HR7131           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7132           |                               |        |        | HR7131 (Lo-16bits)            |
| HR7133           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7134           |                               |        |        | HR7133 (Lo-16bits)            |
| HR7135           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7136           |                               |        |        | HR7135 (Lo-16bits)            |
| HR7137           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7138           |                               |        |        | HR7137 (Lo-16bits)            |
| HR7139           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7140           |                               |        |        | HR7139 (Lo-16bits)            |
| HR7141           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7142           |                               |        |        | HR7141 (Lo-16bits)            |
| HR7143           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7144           |                               |        |        | HR7143 (Lo-16bits)            |
| HR7145           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7146           |                               |        |        | HR7145 (Lo-16bits)            |
| HR7147           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7148           |                               |        |        | HR7147 (Lo-16bits)            |
| HR7149           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7150           |                               |        |        | HR7149 (Lo-16bits)            |
| HR7151           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7152           |                               |        |        | HR7151 (Lo-16bits)            |
| HR7153           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7154           |                               |        |        | HR7153 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7155           | CUB2:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7156           |                            |        |        | HR7155 (Lo-16bits)           |
| HR7157           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7158           |                            |        |        | HR7157 (Lo-16bits)           |
| HR7159           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7160           |                            |        |        | HR7159 (Lo-16bits)           |
| HR7161           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7162           |                            |        |        | HR7161 (Lo-16bits)           |
| HR7163           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7164           |                            |        |        | HR7163 (Lo-16bits)           |
| HR7165           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7166           |                            |        |        | HR7165 (Lo-16bits)           |
| HR7167           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7168           |                            |        |        | HR7167 (Lo-16bits)           |
| HR7169           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7170           |                            |        |        | HR7169 (Lo-16bits)           |
| HR7171           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7172           |                            |        |        | HR7171 (Lo-16bits)           |
| HR7173           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7174           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7175           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7176           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7177           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7178           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7179           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7180           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7181           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7182           |                                              |        |        | HR7181 (Lo-16bits)           |
| HR7183           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7184           |                                              |        |        | HR7183 (Lo-16bits)           |
| HR7185           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7186           |                                              |        |        | HR7185 (Lo-16bits)           |
| HR7187           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7188           |                                              |        |        | HR7187 (Lo-16bits)           |
| HR7189           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7190           |                                              |        |        | HR7189 (Lo-16bits)           |
| HR7191           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7192           |                                              |        |        | HR7191 (Lo-16bits)           |
| HR7193           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7194           |                                              |        |        | HR7193 (Lo-16bits)           |
| HR7195           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7196           |                                              |        |        | HR7195 (Lo-16bits)           |
| HR7197           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7198           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7199           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7200           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7201           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7202           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7203           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7204           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7205           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7206           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7207           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7208           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7209           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7210           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7211           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7212           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7213           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7214           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7215           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7216           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7217           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7218           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7219           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7220           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7221           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7222           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7223           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7224           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7225           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7226           | CUB2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7227           | CUB2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7228           | CUB2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7229           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7230           |                               |        |        | HR7229 (Lo-16bits)            |
| HR7231           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7232           |                               |        |        | HR7231 (Lo-16bits)            |
| HR7233           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7234           |                               |        |        | HR7233 (Lo-16bits)            |
| HR7235           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7236           |                               |        |        | HR7235 (Lo-16bits)            |
| HR7237           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7238           |                               |        |        | HR7237 (Lo-16bits)            |
| HR7239           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7240           |                               |        |        | HR7239 (Lo-16bits)            |
| HR7241           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7242           |                               |        |        | HR7241 (Lo-16bits)            |
| HR7243           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7244           |                               |        |        | HR7243 (Lo-16bits)            |
| HR7245           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7246           |                               |        |        | HR7245 (Lo-16bits)            |
| HR7247           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7248           |                               |        |        | HR7247 (Lo-16bits)            |
| HR7249           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7250           |                               |        |        | HR7249 (Lo-16bits)            |
| HR7251           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7252           |                               |        |        | HR7251 (Lo-16bits)            |
| HR7253           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7254           |                               |        |        | HR7253 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7255           | CUB2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7256           |                    |        |        | HR7255 (Lo-16bits)          |
| HR7257           | CUB2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7258           |                    |        |        | HR7257 (Lo-16bits)          |
| HR7259           | CUB2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7260           |                    |        |        | HR7259 (Lo-16bits)          |
| HR7261           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7262           |                    |        |        | HR7261 (Lo-16bits)          |
| HR7263           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7264           |                    |        |        | HR7263 (Lo-16bits)          |
| HR7265           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7266           |                    |        |        | HR7265 (Lo-16bits)          |
| HR7267           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7268           |                    |        |        | HR7267 (Lo-16bits)          |
| HR7269           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7270           |                    |        |        | HR7269 (Lo-16bits)          |
| HR7271           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7272           |                    |        |        | HR7271 (Lo-16bits)          |
| HR7273           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7274           |                    |        |        | HR7273 (Lo-16bits)          |
| HR7275           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7276           |                    |        |        | HR7275 (Lo-16bits)          |
| HR7277           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7278           |                    |        |        | HR7277 (Lo-16bits)          |
| HR7279           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7280           |                    |        |        | HR7279 (Lo-16bits)          |
| HR7281           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7282           |                    |        |        | HR7281 (Lo-16bits)          |
| HR7283           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7284           |                    |        |        | HR7283 (Lo-16bits)          |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7285           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7286           |                              |        |        | HR7285 (Lo-16bits)          |
| HR7287           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7288           |                              |        |        | HR7287 (Lo-16bits)          |
| HR7289           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7290           |                              |        |        | HR7289 (Lo-16bits)          |
| HR7291           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7292           |                              |        |        | HR7291 (Lo-16bits)          |
| HR7293           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7294           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7295           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7296           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7297           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7298           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7299           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7300           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7301           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7302           |                              |        |        | HR7301 (Lo-16bits)          |
| HR7303           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7304           |                              |        |        | HR7303 (Lo-16bits)          |
| HR7305           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7306           |                              |        |        | HR7305 (Lo-16bits)          |
| HR7307           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7308           |                              |        |        | HR7307 (Lo-16bits)          |
| HR7309           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7310           |                              |        |        | HR7309 (Lo-16bits)          |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7311           | CUB2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7312           |                                                    |        |        | HR7311 (Lo-16bits)          |
| HR7313           | CUB2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7314           |                                                    |        |        | HR7313 (Lo-16bits)          |
| HR7315           | CUB2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7316           |                                                    |        |        | HR7315 (Lo-16bits)          |
| HR7317           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7318           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7319           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7320           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7321           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7322           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7323           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7324           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7325           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7326           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7327           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7328           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7329           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7330           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7331           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7332           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7333           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7334           |                                                    |        |        | HR7333 (Lo-16bits)            |
| HR7335           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7336           |                                                    |        |        | HR7335 (Lo-16bits)            |
| HR7337           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7338           |                                                    |        |        | HR7337 (Lo-16bits)            |
| HR7339           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7340           |                                                    |        |        | HR7339 (Lo-16bits)            |
| HR7341           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7342           |                                                    |        |        | HR7341 (Lo-16bits)            |
| HR7343           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7344           |                                                    |        |        | HR7343 (Lo-16bits)            |
| HR7345           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7346           |                                                    |        |        | HR7345 (Lo-16bits)            |
| HR7347           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7348           |                                                    |        |        | HR7347 (Lo-16bits)            |
| HR7349           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7350           |                                                    |        |        | HR7349 (Lo-16bits)            |
| HR7351           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7352           |                                                    |        |        | HR7351 (Lo-16bits)            |
| HR7353           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7354           |                                                    |        |        | HR7353 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7355           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7356           |                            |        |        | HR7355 (Lo-16bits)           |
| HR7357           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7358           |                            |        |        | HR7357 (Lo-16bits)           |
| HR7359           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7360           |                            |        |        | HR7359 (Lo-16bits)           |
| HR7361           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7362           |                            |        |        | HR7361 (Lo-16bits)           |
| HR7363           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7364           |                            |        |        | HR7363 (Lo-16bits)           |
| HR7365           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7366           |                            |        |        | HR7365 (Lo-16bits)           |
| HR7367           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7368           |                            |        |        | HR7367 (Lo-16bits)           |
| HR7369           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7370           |                            |        |        | HR7369 (Lo-16bits)           |
| HR7371           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7372           |                            |        |        | HR7371 (Lo-16bits)           |
| HR7373           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7374           |                            |        |        | HR7373 (Lo-16bits)           |
| HR7375           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7376           |                            |        |        | HR7375 (Lo-16bits)           |
| HR7377           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7378           |                            |        |        | HR7377 (Lo-16bits)           |
| HR7379           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7380           |                            |        |        | HR7379 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7381           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7382           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7383           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7384           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7385           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7386           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7387           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7388           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7389           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7390           |                                              |        |        | HR7389 (Lo-16bits)           |
| HR7391           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7392           |                                              |        |        | HR7391 (Lo-16bits)           |
| HR7393           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7394           |                                              |        |        | HR7393 (Lo-16bits)           |
| HR7395           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7396           |                                              |        |        | HR7395 (Lo-16bits)           |
| HR7397           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7398           |                                              |        |        | HR7397 (Lo-16bits)           |
| HR7399           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7400           |                                              |        |        | HR7399 (Lo-16bits)           |
| HR7401           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7402           |                                              |        |        | HR7401 (Lo-16bits)           |
| HR7403           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7404           |                                              |        |        | HR7403 (Lo-16bits)           |
| HR7405           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7406           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7407           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7408           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7409           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7410           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7411           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7412           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7413           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7414           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7415           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7416           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7417           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7418           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7419           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7420           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7421           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7422           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7423           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7424           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7425           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7426           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7427           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7428           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7429           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7430           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7431           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7432           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7433           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7434           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7435           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7436           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7437           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7438           |                               |        |        | HR7437 (Lo-16bits)            |
| HR7439           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7440           |                               |        |        | HR7439 (Lo-16bits)            |
| HR7441           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7442           |                               |        |        | HR7441 (Lo-16bits)            |
| HR7443           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7444           |                               |        |        | HR7443 (Lo-16bits)            |
| HR7445           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7446           |                               |        |        | HR7445 (Lo-16bits)            |
| HR7447           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7448           |                               |        |        | HR7447 (Lo-16bits)            |
| HR7449           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7450           |                               |        |        | HR7449 (Lo-16bits)            |
| HR7451           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7452           |                               |        |        | HR7451 (Lo-16bits)            |
| HR7453           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7454           |                               |        |        | HR7453 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7455           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7456           |                    |        |        | HR7455 (Lo-16bits)          |
| HR7457           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7458           |                    |        |        | HR7457 (Lo-16bits)          |
| HR7459           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7460           |                    |        |        | HR7459 (Lo-16bits)          |
| HR7461           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7462           |                    |        |        | HR7461 (Lo-16bits)          |
| HR7463           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7464           |                    |        |        | HR7463 (Lo-16bits)          |
| HR7465           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7466           |                    |        |        | HR7465 (Lo-16bits)          |
| HR7467           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7468           |                    |        |        | HR7467 (Lo-16bits)          |
| HR7469           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7470           |                    |        |        | HR7469 (Lo-16bits)          |
| HR7471           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7472           |                    |        |        | HR7471 (Lo-16bits)          |
| HR7473           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7474           |                    |        |        | HR7473 (Lo-16bits)          |
| HR7475           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7476           |                    |        |        | HR7475 (Lo-16bits)          |
| HR7477           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7478           |                    |        |        | HR7477 (Lo-16bits)          |
| HR7479           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7480           |                    |        |        | HR7479 (Lo-16bits)          |
| HR7481           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7482           |                    |        |        | HR7481 (Lo-16bits)          |
| HR7483           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7484           |                    |        |        | HR7483 (Lo-16bits)          |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7485           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7486           |                              |        |        | HR7485 (Lo-16bits)          |
| HR7487           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7488           |                              |        |        | HR7487 (Lo-16bits)          |
| HR7489           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7490           |                              |        |        | HR7489 (Lo-16bits)          |
| HR7491           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7492           |                              |        |        | HR7491 (Lo-16bits)          |
| HR7493           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7494           |                              |        |        | HR7493 (Lo-16bits)          |
| HR7495           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7496           |                              |        |        | HR7495 (Lo-16bits)          |
| HR7497           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7498           |                              |        |        | HR7497 (Lo-16bits)          |
| HR7499           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7500           |                              |        |        | HR7499 (Lo-16bits)          |
| HR7501           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7502           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7503           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7504           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7505           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7506           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7507           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7508           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7509           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7510           |                              |        |        | HR7509 (Lo-16bits)          |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7511           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7512           |                                                    |        |        | HR7511 (Lo-16bits)          |
| HR7513           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7514           |                                                    |        |        | HR7513 (Lo-16bits)          |
| HR7515           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7516           |                                                    |        |        | HR7515 (Lo-16bits)          |
| HR7517           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7518           |                                                    |        |        | HR7517 (Lo-16bits)          |
| HR7519           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7520           |                                                    |        |        | HR7519 (Lo-16bits)          |
| HR7521           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7522           |                                                    |        |        | HR7521 (Lo-16bits)          |
| HR7523           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7524           |                                                    |        |        | HR7523 (Lo-16bits)          |
| HR7525           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7526           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7527           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7528           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7529           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7530           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7531           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7532           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7533           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7534           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7535           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7536           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7537           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7538           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7539           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7540           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7541           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7542           |                                                    |        |        | HR7541 (Lo-16bits)            |
| HR7543           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7544           |                                                    |        |        | HR7543 (Lo-16bits)            |
| HR7545           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7546           |                                                    |        |        | HR7545 (Lo-16bits)            |
| HR7547           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7548           |                                                    |        |        | HR7547 (Lo-16bits)            |
| HR7549           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7550           |                                                    |        |        | HR7549 (Lo-16bits)            |
| HR7551           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7552           |                                                    |        |        | HR7551 (Lo-16bits)            |
| HR7553           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7554           |                                                    |        |        | HR7553 (Lo-16bits)            |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7555           | CUB4:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7556           |                               |        |        | HR7555 (Lo-16bits)            |
| HR7557           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7558           |                               |        |        | HR7557 (Lo-16bits)            |
| HR7559           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7560           |                               |        |        | HR7559 (Lo-16bits)            |
| HR7561           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7562           |                               |        |        | HR7561 (Lo-16bits)            |
| HR7563           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7564           |                               |        |        | HR7563 (Lo-16bits)            |
| HR7565           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7566           |                               |        |        | HR7565 (Lo-16bits)            |
| HR7567           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7568           |                               |        |        | HR7567 (Lo-16bits)            |
| HR7569           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7570           |                               |        |        | HR7569 (Lo-16bits)            |
| HR7571           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7572           |                               |        |        | HR7571 (Lo-16bits)            |
| HR7573           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7574           |                               |        |        | HR7573 (Lo-16bits)            |
| HR7575           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7576           |                               |        |        | HR7575 (Lo-16bits)            |
| HR7577           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7578           |                               |        |        | HR7577 (Lo-16bits)            |
| HR7579           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7580           |                               |        |        | HR7579 (Lo-16bits)            |
| HR7581           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7582           |                                              |        |        | HR7581 (Lo-16bits)           |
| HR7583           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7584           |                                              |        |        | HR7583 (Lo-16bits)           |
| HR7585           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7586           |                                              |        |        | HR7585 (Lo-16bits)           |
| HR7587           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7588           |                                              |        |        | HR7587 (Lo-16bits)           |
| HR7589           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7590           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7591           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7592           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7593           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7594           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7595           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7596           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7597           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7598           |                                              |        |        | HR7597 (Lo-16bits)           |
| HR7599           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7600           |                                              |        |        | HR7599 (Lo-16bits)           |
| HR7601           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7602           |                                              |        |        | HR7601 (Lo-16bits)           |
| HR7603           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7604           |                                              |        |        | HR7603 (Lo-16bits)           |
| HR7605           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7606           |                                              |        |        | HR7605 (Lo-16bits)           |
| HR7607           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR7608           |                                              |        |        | HR7607 (Lo-16bits)                                          |
| HR7609           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR7610           |                                              |        |        | HR7609 (Lo-16bits)                                          |
| HR7611           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR7612           |                                              |        |        | HR7611 (Lo-16bits)                                          |
| HR7613           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7614           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7615           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7616           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7617           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7618           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7619           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7620           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7621           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7622           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7623           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7624           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7625           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7626           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7627           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7628           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7629           | CUB4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7630           | CUB4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7631           | CUB4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR7632           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7633           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7634           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7635           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7636           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7637           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7638           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7639           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7640           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7641           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7642           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7643           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7644           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7645           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7646           |                               |        |        | HR7645 (Lo-16bits)                                          |
| HR7647           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7648           |                               |        |        | HR7647 (Lo-16bits)                                          |
| HR7649           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7650           |                               |        |        | HR7649 (Lo-16bits)                                          |
| HR7651           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7652           |                               |        |        | HR7651 (Lo-16bits)                                          |
| HR7653           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7654           |                               |        |        | HR7653 (Lo-16bits)                                          |
| HR7655           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7656           |                          |        |        | HR7655 (Lo-16bits)            |
| HR7657           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7658           |                          |        |        | HR7657 (Lo-16bits)            |
| HR7659           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7660           |                          |        |        | HR7659 (Lo-16bits)            |
| HR7661           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7662           |                          |        |        | HR7661 (Lo-16bits)            |
| HR7663           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7664           |                          |        |        | HR7663 (Lo-16bits)            |
| HR7665           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7666           |                          |        |        | HR7665 (Lo-16bits)            |
| HR7667           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7668           |                          |        |        | HR7667 (Lo-16bits)            |
| HR7669           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7670           |                          |        |        | HR7669 (Lo-16bits)            |
| HR7671           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7672           |                          |        |        | HR7671 (Lo-16bits)            |
| HR7673           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7674           |                          |        |        | HR7673 (Lo-16bits)            |
| HR7675           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7676           |                          |        |        | HR7675 (Lo-16bits)            |
| HR7677           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7678           |                          |        |        | HR7677 (Lo-16bits)            |
| HR7679           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7680           |                          |        |        | HR7679 (Lo-16bits)            |
| HR7681           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7682           |                          |        |        | HR7681 (Lo-16bits)            |
| HR7683           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7684           |                          |        |        | HR7683 (Lo-16bits)            |
| HR7685           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7686           |                              |        |        | HR7685 (Lo-16bits)          |
| HR7687           | CUB4:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7688           |                              |        |        | HR7687 (Lo-16bits)          |
| HR7689           | CUB4:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7690           |                              |        |        | HR7689 (Lo-16bits)          |
| HR7691           | CUB4:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7692           |                              |        |        | HR7691 (Lo-16bits)          |
| HR7693           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7694           |                              |        |        | HR7693 (Lo-16bits)          |
| HR7695           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7696           |                              |        |        | HR7695 (Lo-16bits)          |
| HR7697           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7698           |                              |        |        | HR7697 (Lo-16bits)          |
| HR7699           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7700           |                              |        |        | HR7699 (Lo-16bits)          |
| HR7701           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7702           |                              |        |        | HR7701 (Lo-16bits)          |
| HR7703           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7704           |                              |        |        | HR7703 (Lo-16bits)          |
| HR7705           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7706           |                              |        |        | HR7705 (Lo-16bits)          |
| HR7707           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7708           |                              |        |        | HR7707 (Lo-16bits)          |
| HR7709           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7710           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7711           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7712           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7713           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR7714           | CUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7715           | CUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7716           | CUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7717           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7718           |                                            |        |        | HR7717 (Lo-16bits)          |
| HR7719           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7720           |                                            |        |        | HR7719 (Lo-16bits)          |
| HR7721           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7722           |                                            |        |        | HR7721 (Lo-16bits)          |
| HR7723           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7724           |                                            |        |        | HR7723 (Lo-16bits)          |
| HR7725           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7726           |                                            |        |        | HR7725 (Lo-16bits)          |
| HR7727           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7728           |                                            |        |        | HR7727 (Lo-16bits)          |
| HR7729           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7730           |                                            |        |        | HR7729 (Lo-16bits)          |
| HR7731           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7732           |                                            |        |        | HR7731 (Lo-16bits)          |
| HR7733           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7734           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7735           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7736           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7737           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7738           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                                       |
|------------------|----------------------------------------------------|--------|--------|---------------------------------------|
| HR7739           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7740           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7741           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7742           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7743           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7744           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7745           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7746           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7747           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7748           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7749           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7750           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7751           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7752           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7753           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7754           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7755           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7756           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7757           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7758           |                                                    |        |        | HR7757 (Lo-16bits)                    |
| HR7759           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR7760           |                                   |        |        | HR7759 (Lo-16bits)           |
| HR7761           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7762           |                                   |        |        | HR7761 (Lo-16bits)           |
| HR7763           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7764           |                                   |        |        | HR7763 (Lo-16bits)           |
| HR7765           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7766           |                                   |        |        | HR7765 (Lo-16bits)           |
| HR7767           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7768           |                                   |        |        | HR7767 (Lo-16bits)           |
| HR7769           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7770           |                                   |        |        | HR7769 (Lo-16bits)           |
| HR7771           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7772           |                                   |        |        | HR7771 (Lo-16bits)           |
| HR7773           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7774           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7775           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7776           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7777           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7778           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7779           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7780           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7781           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7782           |                                   |        |        | HR7781 (Lo-16bits)           |
| HR7783           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7784           |                                   |        |        | HR7783 (Lo-16bits)           |
| HR7785           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7786           |                                   |        |        | HR7785 (Lo-16bits)           |
| HR7787           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR7788           |                                   |        |        | HR7787 (Lo-16bits)            |
| HR7789           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7790           |                                   |        |        | HR7789 (Lo-16bits)            |
| HR7791           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7792           |                                   |        |        | HR7791 (Lo-16bits)            |
| HR7793           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7794           |                                   |        |        | HR7793 (Lo-16bits)            |
| HR7795           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7796           |                                   |        |        | HR7795 (Lo-16bits)            |
| HR7797           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7798           |                                   |        |        | HR7797 (Lo-16bits)            |
| HR7799           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7800           |                                   |        |        | HR7799 (Lo-16bits)            |
| HR7801           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7802           |                                   |        |        | HR7801 (Lo-16bits)            |
| HR7803           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7804           |                                   |        |        | HR7803 (Lo-16bits)            |
| HR7805           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7806           |                                   |        |        | HR7805 (Lo-16bits)            |
| HR7807           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7808           |                                   |        |        | HR7807 (Lo-16bits)            |
| HR7809           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7810           |                                   |        |        | HR7809 (Lo-16bits)            |
| HR7811           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7812           |                                   |        |        | HR7811 (Lo-16bits)            |
| HR7813           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7814           |                                   |        |        | HR7813 (Lo-16bits)            |
| HR7815           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR7816           |                             |        |        | HR7815 (Lo-16bits)            |
| HR7817           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7818           |                             |        |        | HR7817 (Lo-16bits)            |
| HR7819           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7820           |                             |        |        | HR7819 (Lo-16bits)            |
| HR7821           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7822           |                             |        |        | HR7821 (Lo-16bits)            |
| HR7823           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7824           |                             |        |        | HR7823 (Lo-16bits)            |
| HR7825           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7826           |                             |        |        | HR7825 (Lo-16bits)            |
| HR7827           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7828           |                             |        |        | HR7827 (Lo-16bits)            |
| HR7829           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7830           |                             |        |        | HR7829 (Lo-16bits)            |
| HR7831           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7832           |                             |        |        | HR7831 (Lo-16bits)            |
| HR7833           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7834           |                             |        |        | HR7833 (Lo-16bits)            |
| HR7835           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7836           |                             |        |        | HR7835 (Lo-16bits)            |
| HR7837           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7838           |                             |        |        | HR7837 (Lo-16bits)            |
| HR7839           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7840           |                             |        |        | HR7839 (Lo-16bits)            |
| HR7841           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7842           |                             |        |        | HR7841 (Lo-16bits)            |
| HR7843           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7844           |                             |        |        | HR7843 (Lo-16bits)            |
| HR7845           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR7846           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7847           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7848           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7849           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7850           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7851           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7852           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7853           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7854           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7855           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7856           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7857           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7858           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7859           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7860           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7861           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7862           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7863           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7864           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7865           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7866           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7867           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7868           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7869           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7870           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7871           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7872           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7873           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7874           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7875           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7876           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7877           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7878           |                                                   |        |        | HR7877 (Lo-16bits)                    |
| HR7879           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7880           |                                                   |        |        | HR7879 (Lo-16bits)                    |
| HR7881           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7882           |                                                   |        |        | HR7881 (Lo-16bits)                    |
| HR7883           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7884           |                                                   |        |        | HR7883 (Lo-16bits)                    |
| HR7885           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7886           |                                                   |        |        | HR7885 (Lo-16bits)                    |
| HR7887           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7888           |                                                   |        |        | HR7887 (Lo-16bits)                    |
| HR7889           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7890           |                                                   |        |        | HR7889 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR7891           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7892           |                                   |        |        | HR7891 (Lo-16bits)           |
| HR7893           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7894           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7895           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7896           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7897           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7898           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7899           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7900           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7901           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7902           |                                   |        |        | HR7901 (Lo-16bits)           |
| HR7903           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7904           |                                   |        |        | HR7903 (Lo-16bits)           |
| HR7905           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7906           |                                   |        |        | HR7905 (Lo-16bits)           |
| HR7907           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7908           |                                   |        |        | HR7907 (Lo-16bits)           |
| HR7909           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7910           |                                   |        |        | HR7909 (Lo-16bits)           |
| HR7911           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7912           |                                   |        |        | HR7911 (Lo-16bits)           |
| HR7913           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7914           |                                   |        |        | HR7913 (Lo-16bits)           |
| HR7915           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7916           |                                   |        |        | HR7915 (Lo-16bits)           |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR7917           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7918           |                         |        |        | HR7917 (Lo-16bits)            |
| HR7919           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7920           |                         |        |        | HR7919 (Lo-16bits)            |
| HR7921           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7922           |                         |        |        | HR7921 (Lo-16bits)            |
| HR7923           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7924           |                         |        |        | HR7923 (Lo-16bits)            |
| HR7925           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7926           |                         |        |        | HR7925 (Lo-16bits)            |
| HR7927           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7928           |                         |        |        | HR7927 (Lo-16bits)            |
| HR7929           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7930           |                         |        |        | HR7929 (Lo-16bits)            |
| HR7931           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7932           |                         |        |        | HR7931 (Lo-16bits)            |
| HR7933           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7934           |                         |        |        | HR7933 (Lo-16bits)            |
| HR7935           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7936           |                         |        |        | HR7935 (Lo-16bits)            |
| HR7937           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7938           |                         |        |        | HR7937 (Lo-16bits)            |
| HR7939           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7940           |                         |        |        | HR7939 (Lo-16bits)            |
| HR7941           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7942           |                         |        |        | HR7941 (Lo-16bits)            |
| HR7943           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7944           |                         |        |        | HR7943 (Lo-16bits)            |
| HR7945           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7946           |                         |        |        | HR7945 (Lo-16bits)            |



| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR7947           | OV2:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7948           |                             |        |        | HR7947 (Lo-16bits)            |
| HR7949           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7950           |                             |        |        | HR7949 (Lo-16bits)            |
| HR7951           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7952           |                             |        |        | HR7951 (Lo-16bits)            |
| HR7953           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7954           |                             |        |        | HR7953 (Lo-16bits)            |
| HR7955           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7956           |                             |        |        | HR7955 (Lo-16bits)            |
| HR7957           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7958           |                             |        |        | HR7957 (Lo-16bits)            |
| HR7959           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7960           |                             |        |        | HR7959 (Lo-16bits)            |
| HR7961           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7962           |                             |        |        | HR7961 (Lo-16bits)            |
| HR7963           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7964           |                             |        |        | HR7963 (Lo-16bits)            |
| HR7965           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7966           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7967           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7968           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7969           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7970           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7971           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7972           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7973           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7974           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7975           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7976           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7977           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7978           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7979           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7980           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7981           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7982           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7983           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7984           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7985           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7986           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7987           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7988           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7989           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7990           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |

| Holding Register | Parameter                | Access | Length |                                       |
|------------------|--------------------------|--------|--------|---------------------------------------|
| HR7991           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7992           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7993           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7994           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7995           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7996           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7997           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7998           |                          |        |        | HR7997 (Lo-16bits)                    |
| HR7999           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8000           |                          |        |        | HR7999 (Lo-16bits)                    |
| HR8001           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8002           |                          |        |        | HR8001 (Lo-16bits)                    |
| HR8003           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8004           |                          |        |        | HR8003 (Lo-16bits)                    |
| HR8005           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8006           |                          |        |        | HR8005 (Lo-16bits)                    |
| HR8007           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8008           |                          |        |        | HR8007 (Lo-16bits)                    |
| HR8009           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8010           |                          |        |        | HR8009 (Lo-16bits)                    |
| HR8011           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8012           |                          |        |        | HR8011 (Lo-16bits)                    |
| HR8013           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8014           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8015           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8016           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8017           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8018           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8019           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8020           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8021           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8022           |                                   |        |        | HR8021 (Lo-16bits)            |
| HR8023           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8024           |                                   |        |        | HR8023 (Lo-16bits)            |
| HR8025           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8026           |                                   |        |        | HR8025 (Lo-16bits)            |
| HR8027           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8028           |                                   |        |        | HR8027 (Lo-16bits)            |
| HR8029           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8030           |                                   |        |        | HR8029 (Lo-16bits)            |
| HR8031           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8032           |                                   |        |        | HR8031 (Lo-16bits)            |
| HR8033           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8034           |                                   |        |        | HR8033 (Lo-16bits)            |
| HR8035           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8036           |                                   |        |        | HR8035 (Lo-16bits)            |
| HR8037           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8038           |                                   |        |        | HR8037 (Lo-16bits)            |
| HR8039           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8040           |                                   |        |        | HR8039 (Lo-16bits)            |
| HR8041           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8042           |                                   |        |        | HR8041 (Lo-16bits)            |
| HR8043           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8044           |                                   |        |        | HR8043 (Lo-16bits)            |
| HR8045           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8046           |                                   |        |        | HR8045 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8047           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8048           |                         |        |        | HR8047 (Lo-16bits)            |
| HR8049           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8050           |                         |        |        | HR8049 (Lo-16bits)            |
| HR8051           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8052           |                         |        |        | HR8051 (Lo-16bits)            |
| HR8053           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8054           |                         |        |        | HR8053 (Lo-16bits)            |
| HR8055           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8056           |                         |        |        | HR8055 (Lo-16bits)            |
| HR8057           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8058           |                         |        |        | HR8057 (Lo-16bits)            |
| HR8059           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8060           |                         |        |        | HR8059 (Lo-16bits)            |
| HR8061           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8062           |                         |        |        | HR8061 (Lo-16bits)            |
| HR8063           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8064           |                         |        |        | HR8063 (Lo-16bits)            |
| HR8065           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8066           |                         |        |        | HR8065 (Lo-16bits)            |
| HR8067           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8068           |                         |        |        | HR8067 (Lo-16bits)            |
| HR8069           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8070           |                         |        |        | HR8069 (Lo-16bits)            |
| HR8071           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8072           |                         |        |        | HR8071 (Lo-16bits)            |
| HR8073           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8074           |                         |        |        | HR8073 (Lo-16bits)            |
| HR8075           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8076           |                         |        |        | HR8075 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8077           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8078           |                                           |        |        | HR8077 (Lo-16bits)          |
| HR8079           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8080           |                                           |        |        | HR8079 (Lo-16bits)          |
| HR8081           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8082           |                                           |        |        | HR8081 (Lo-16bits)          |
| HR8083           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8084           |                                           |        |        | HR8083 (Lo-16bits)          |
| HR8085           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8086           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8087           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8088           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8089           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8090           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8091           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8092           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8093           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8094           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8095           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8096           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8097           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8098           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8099           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8100           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8101           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8102           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8103           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8104           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8105           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8106           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8107           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8108           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8109           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8110           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8111           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8112           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8113           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8114           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8115           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8116           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8117           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8118           |                                                   |        |        | HR8117 (Lo-16bits)                    |
| HR8119           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8120           |                                                   |        |        | HR8119 (Lo-16bits)                    |
| HR8121           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8122           |                                   |        |        | HR8121 (Lo-16bits)           |
| HR8123           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8124           |                                   |        |        | HR8123 (Lo-16bits)           |
| HR8125           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8126           |                                   |        |        | HR8125 (Lo-16bits)           |
| HR8127           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8128           |                                   |        |        | HR8127 (Lo-16bits)           |
| HR8129           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8130           |                                   |        |        | HR8129 (Lo-16bits)           |
| HR8131           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8132           |                                   |        |        | HR8131 (Lo-16bits)           |
| HR8133           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8134           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8135           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8136           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8137           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8138           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8139           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8140           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8141           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8142           |                                   |        |        | HR8141 (Lo-16bits)           |
| HR8143           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8144           |                                   |        |        | HR8143 (Lo-16bits)           |
| HR8145           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8146           |                                   |        |        | HR8145 (Lo-16bits)           |
| HR8147           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8148           |                                   |        |        | HR8147 (Lo-16bits)           |
| HR8149           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |



| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8150           |                                   |        |        | HR8149 (Lo-16bits)            |
| HR8151           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8152           |                                   |        |        | HR8151 (Lo-16bits)            |
| HR8153           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8154           |                                   |        |        | HR8153 (Lo-16bits)            |
| HR8155           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8156           |                                   |        |        | HR8155 (Lo-16bits)            |
| HR8157           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8158           |                                   |        |        | HR8157 (Lo-16bits)            |
| HR8159           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8160           |                                   |        |        | HR8159 (Lo-16bits)            |
| HR8161           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8162           |                                   |        |        | HR8161 (Lo-16bits)            |
| HR8163           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8164           |                                   |        |        | HR8163 (Lo-16bits)            |
| HR8165           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8166           |                                   |        |        | HR8165 (Lo-16bits)            |
| HR8167           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8168           |                                   |        |        | HR8167 (Lo-16bits)            |
| HR8169           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8170           |                                   |        |        | HR8169 (Lo-16bits)            |
| HR8171           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8172           |                                   |        |        | HR8171 (Lo-16bits)            |
| HR8173           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8174           |                                   |        |        | HR8173 (Lo-16bits)            |
| HR8175           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8176           |                                   |        |        | HR8175 (Lo-16bits)            |
| HR8177           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8178           |                                   |        |        | HR8177 (Lo-16bits)            |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8179           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8180           |                             |        |        | HR8179 (Lo-16bits)            |
| HR8181           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8182           |                             |        |        | HR8181 (Lo-16bits)            |
| HR8183           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8184           |                             |        |        | HR8183 (Lo-16bits)            |
| HR8185           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8186           |                             |        |        | HR8185 (Lo-16bits)            |
| HR8187           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8188           |                             |        |        | HR8187 (Lo-16bits)            |
| HR8189           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8190           |                             |        |        | HR8189 (Lo-16bits)            |
| HR8191           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8192           |                             |        |        | HR8191 (Lo-16bits)            |
| HR8193           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8194           |                             |        |        | HR8193 (Lo-16bits)            |
| HR8195           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8196           |                             |        |        | HR8195 (Lo-16bits)            |
| HR8197           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8198           |                             |        |        | HR8197 (Lo-16bits)            |
| HR8199           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8200           |                             |        |        | HR8199 (Lo-16bits)            |
| HR8201           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8202           |                             |        |        | HR8201 (Lo-16bits)            |
| HR8203           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8204           |                             |        |        | HR8203 (Lo-16bits)            |
| HR8205           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8206           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8207           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8208           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8209           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8210           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8211           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8212           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8213           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8214           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8215           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8216           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8217           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8218           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8219           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8220           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8221           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8222           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8223           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8224           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8225           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8226           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8227           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8228           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8229           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8230           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8231           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8232           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8233           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8234           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8235           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8236           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8237           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8238           |                                                   |        |        | HR8237 (Lo-16bits)                    |
| HR8239           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8240           |                                                   |        |        | HR8239 (Lo-16bits)                    |
| HR8241           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8242           |                                                   |        |        | HR8241 (Lo-16bits)                    |
| HR8243           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8244           |                                                   |        |        | HR8243 (Lo-16bits)                    |
| HR8245           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8246           |                                                   |        |        | HR8245 (Lo-16bits)                    |
| HR8247           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8248           |                                                   |        |        | HR8247 (Lo-16bits)                    |
| HR8249           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8250           |                                                   |        |        | HR8249 (Lo-16bits)                    |
| HR8251           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8252           |                                                   |        |        | HR8251 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8253           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8254           |                                   |        |        | HR8253 (Lo-16bits)           |
| HR8255           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8256           |                                   |        |        | HR8255 (Lo-16bits)           |
| HR8257           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8258           |                                   |        |        | HR8257 (Lo-16bits)           |
| HR8259           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8260           |                                   |        |        | HR8259 (Lo-16bits)           |
| HR8261           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8262           |                                   |        |        | HR8261 (Lo-16bits)           |
| HR8263           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8264           |                                   |        |        | HR8263 (Lo-16bits)           |
| HR8265           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8266           |                                   |        |        | HR8265 (Lo-16bits)           |
| HR8267           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8268           |                                   |        |        | HR8267 (Lo-16bits)           |
| HR8269           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8270           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8271           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8272           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8273           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8274           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8275           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8276           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8277           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8278           |                                   |        |        | HR8277 (Lo-16bits)           |
| HR8279           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8280           |                                   |        |        | HR8279 (Lo-16bits)           |
| HR8281           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8282           |                                   |        |        | HR8281 (Lo-16bits)            |
| HR8283           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8284           |                                   |        |        | HR8283 (Lo-16bits)            |
| HR8285           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8286           |                                   |        |        | HR8285 (Lo-16bits)            |
| HR8287           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8288           |                                   |        |        | HR8287 (Lo-16bits)            |
| HR8289           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8290           |                                   |        |        | HR8289 (Lo-16bits)            |
| HR8291           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8292           |                                   |        |        | HR8291 (Lo-16bits)            |
| HR8293           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8294           |                                   |        |        | HR8293 (Lo-16bits)            |
| HR8295           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8296           |                                   |        |        | HR8295 (Lo-16bits)            |
| HR8297           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8298           |                                   |        |        | HR8297 (Lo-16bits)            |
| HR8299           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8300           |                                   |        |        | HR8299 (Lo-16bits)            |
| HR8301           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8302           |                                   |        |        | HR8301 (Lo-16bits)            |
| HR8303           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8304           |                                   |        |        | HR8303 (Lo-16bits)            |
| HR8305           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8306           |                                   |        |        | HR8305 (Lo-16bits)            |
| HR8307           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8308           |                                   |        |        | HR8307 (Lo-16bits)            |
| HR8309           | UV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter              | Access | Length |                               |
|------------------|------------------------|--------|--------|-------------------------------|
| HR8310           |                        |        |        | HR8309 (Lo-16bits)            |
| HR8311           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8312           |                        |        |        | HR8311 (Lo-16bits)            |
| HR8313           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8314           |                        |        |        | HR8313 (Lo-16bits)            |
| HR8315           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8316           |                        |        |        | HR8315 (Lo-16bits)            |
| HR8317           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8318           |                        |        |        | HR8317 (Lo-16bits)            |
| HR8319           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8320           |                        |        |        | HR8319 (Lo-16bits)            |
| HR8321           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8322           |                        |        |        | HR8321 (Lo-16bits)            |
| HR8323           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8324           |                        |        |        | HR8323 (Lo-16bits)            |
| HR8325           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8326           |                        |        |        | HR8325 (Lo-16bits)            |
| HR8327           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8328           |                        |        |        | HR8327 (Lo-16bits)            |
| HR8329           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8330           |                        |        |        | HR8329 (Lo-16bits)            |
| HR8331           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8332           |                        |        |        | HR8331 (Lo-16bits)            |
| HR8333           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8334           |                        |        |        | HR8333 (Lo-16bits)            |
| HR8335           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8336           |                        |        |        | HR8335 (Lo-16bits)            |
| HR8337           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8338           |                        |        |        | HR8337 (Lo-16bits)            |
| HR8339           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                         | Access | Length |                    |
|------------------|---------------------------------------------------|--------|--------|--------------------|
| HR8340           |                                                   |        |        | HR8339 (Lo-16bits) |
| HR8341           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8342           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8343           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8344           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8345           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8346           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8347           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8348           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8349           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8350           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8351           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8352           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8353           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8354           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8355           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8356           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8357           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR8358           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |



| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8359           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8360           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8361           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8362           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8363           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8364           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8365           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8366           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8367           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8368           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8369           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8370           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8371           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8372           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8373           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8374           |                                                   |        |        | HR8373 (Lo-16bits)                    |
| HR8375           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8376           |                                                   |        |        | HR8375 (Lo-16bits)                    |
| HR8377           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8378           |                                                   |        |        | HR8377 (Lo-16bits)                    |
| HR8379           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8380           |                                                   |        |        | HR8379 (Lo-16bits)                    |
| HR8381           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8382           |                                                   |        |        | HR8381 (Lo-16bits)                    |

| Holding Register | Parameter                  | Access | Length |                             |
|------------------|----------------------------|--------|--------|-----------------------------|
| HR8383           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8384           |                            |        |        | HR8383 (Lo-16bits)          |
| HR8385           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8386           |                            |        |        | HR8385 (Lo-16bits)          |
| HR8387           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8388           |                            |        |        | HR8387 (Lo-16bits)          |
| HR8389           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8390           |                            |        |        | HR8389 (Lo-16bits)          |
| HR8391           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8392           |                            |        |        | HR8391 (Lo-16bits)          |
| HR8393           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8394           |                            |        |        | HR8393 (Lo-16bits)          |
| HR8395           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8396           |                            |        |        | HR8395 (Lo-16bits)          |
| HR8397           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8398           |                            |        |        | HR8397 (Lo-16bits)          |
| HR8399           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8400           |                            |        |        | HR8399 (Lo-16bits)          |
| HR8401           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8402           |                            |        |        | HR8401 (Lo-16bits)          |
| HR8403           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8404           |                            |        |        | HR8403 (Lo-16bits)          |
| HR8405           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8406           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8407           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8408           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8409           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8410           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8411           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8412           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8413           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8414           |                                   |        |        | HR8413 (Lo-16bits)            |
| HR8415           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8416           |                                   |        |        | HR8415 (Lo-16bits)            |
| HR8417           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8418           |                                   |        |        | HR8417 (Lo-16bits)            |
| HR8419           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8420           |                                   |        |        | HR8419 (Lo-16bits)            |
| HR8421           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8422           |                                   |        |        | HR8421 (Lo-16bits)            |
| HR8423           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8424           |                                   |        |        | HR8423 (Lo-16bits)            |
| HR8425           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8426           |                                   |        |        | HR8425 (Lo-16bits)            |
| HR8427           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8428           |                                   |        |        | HR8427 (Lo-16bits)            |
| HR8429           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8430           |                                   |        |        | HR8429 (Lo-16bits)            |
| HR8431           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8432           |                                   |        |        | HR8431 (Lo-16bits)            |
| HR8433           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8434           |                                   |        |        | HR8433 (Lo-16bits)            |
| HR8435           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8436           |                                   |        |        | HR8435 (Lo-16bits)            |
| HR8437           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8438           |                                   |        |        | HR8437 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8439           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8440           |                         |        |        | HR8439 (Lo-16bits)            |
| HR8441           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8442           |                         |        |        | HR8441 (Lo-16bits)            |
| HR8443           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8444           |                         |        |        | HR8443 (Lo-16bits)            |
| HR8445           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8446           |                         |        |        | HR8445 (Lo-16bits)            |
| HR8447           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8448           |                         |        |        | HR8447 (Lo-16bits)            |
| HR8449           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8450           |                         |        |        | HR8449 (Lo-16bits)            |
| HR8451           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8452           |                         |        |        | HR8451 (Lo-16bits)            |
| HR8453           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8454           |                         |        |        | HR8453 (Lo-16bits)            |
| HR8455           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8456           |                         |        |        | HR8455 (Lo-16bits)            |
| HR8457           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8458           |                         |        |        | HR8457 (Lo-16bits)            |
| HR8459           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8460           |                         |        |        | HR8459 (Lo-16bits)            |
| HR8461           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8462           |                         |        |        | HR8461 (Lo-16bits)            |
| HR8463           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8464           |                         |        |        | HR8463 (Lo-16bits)            |
| HR8465           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8466           |                         |        |        | HR8465 (Lo-16bits)            |
| HR8467           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8468           |                         |        |        | HR8467 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8469           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8470           |                                           |        |        | HR8469 (Lo-16bits)          |
| HR8471           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8472           |                                           |        |        | HR8471 (Lo-16bits)          |
| HR8473           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8474           |                                           |        |        | HR8473 (Lo-16bits)          |
| HR8475           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8476           |                                           |        |        | HR8475 (Lo-16bits)          |
| HR8477           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8478           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8479           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8480           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8481           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8482           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8483           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8484           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8485           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8486           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8487           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8488           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8489           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8490           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8491           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8492           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8493           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8494           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8495           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8496           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8497           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8498           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8499           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8500           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8501           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8502           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8503           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8504           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8505           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8506           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8507           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8508           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8509           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8510           |                                                   |        |        | HR8509 (Lo-16bits)                    |
| HR8511           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8512           |                                                   |        |        | HR8511 (Lo-16bits)                    |

| Holding Register | Parameter                      | Access | Length |                             |
|------------------|--------------------------------|--------|--------|-----------------------------|
| HR8513           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8514           |                                |        |        | HR8513 (Lo-16bits)          |
| HR8515           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8516           |                                |        |        | HR8515 (Lo-16bits)          |
| HR8517           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8518           |                                |        |        | HR8517 (Lo-16bits)          |
| HR8519           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8520           |                                |        |        | HR8519 (Lo-16bits)          |
| HR8521           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8522           |                                |        |        | HR8521 (Lo-16bits)          |
| HR8523           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8524           |                                |        |        | HR8523 (Lo-16bits)          |
| HR8525           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8526           |                                |        |        | HR8525 (Lo-16bits)          |
| HR8527           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8528           |                                |        |        | HR8527 (Lo-16bits)          |
| HR8529           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8530           |                                |        |        | HR8529 (Lo-16bits)          |
| HR8531           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8532           |                                |        |        | HR8531 (Lo-16bits)          |
| HR8533           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8534           |                                |        |        | HR8533 (Lo-16bits)          |
| HR8535           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8536           |                                |        |        | HR8535 (Lo-16bits)          |
| HR8537           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8538           |                                |        |        | HR8537 (Lo-16bits)          |
| HR8539           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8540           |                                   |        |        | HR8539 (Lo-16bits)            |
| HR8541           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8542           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8543           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8544           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8545           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8546           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8547           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8548           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8549           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8550           |                                   |        |        | HR8549 (Lo-16bits)            |
| HR8551           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8552           |                                   |        |        | HR8551 (Lo-16bits)            |
| HR8553           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8554           |                                   |        |        | HR8553 (Lo-16bits)            |
| HR8555           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8556           |                                   |        |        | HR8555 (Lo-16bits)            |
| HR8557           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8558           |                                   |        |        | HR8557 (Lo-16bits)            |
| HR8559           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8560           |                                   |        |        | HR8559 (Lo-16bits)            |
| HR8561           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8562           |                                   |        |        | HR8561 (Lo-16bits)            |
| HR8563           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8564           |                                   |        |        | HR8563 (Lo-16bits)            |
| HR8565           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |



| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8566           |                         |        |        | HR8565 (Lo-16bits)            |
| HR8567           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8568           |                         |        |        | HR8567 (Lo-16bits)            |
| HR8569           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8570           |                         |        |        | HR8569 (Lo-16bits)            |
| HR8571           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8572           |                         |        |        | HR8571 (Lo-16bits)            |
| HR8573           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8574           |                         |        |        | HR8573 (Lo-16bits)            |
| HR8575           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8576           |                         |        |        | HR8575 (Lo-16bits)            |
| HR8577           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8578           |                         |        |        | HR8577 (Lo-16bits)            |
| HR8579           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8580           |                         |        |        | HR8579 (Lo-16bits)            |
| HR8581           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8582           |                         |        |        | HR8581 (Lo-16bits)            |
| HR8583           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8584           |                         |        |        | HR8583 (Lo-16bits)            |
| HR8585           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8586           |                         |        |        | HR8585 (Lo-16bits)            |
| HR8587           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8588           |                         |        |        | HR8587 (Lo-16bits)            |
| HR8589           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8590           |                         |        |        | HR8589 (Lo-16bits)            |
| HR8591           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8592           |                         |        |        | HR8591 (Lo-16bits)            |
| HR8593           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8594           |                         |        |        | HR8593 (Lo-16bits)            |
| HR8595           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8596           |                                           |        |        | HR8595 (Lo-16bits)          |
| HR8597           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8598           |                                           |        |        | HR8597 (Lo-16bits)          |
| HR8599           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8600           |                                           |        |        | HR8599 (Lo-16bits)          |
| HR8601           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8602           |                                           |        |        | HR8601 (Lo-16bits)          |
| HR8603           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8604           |                                           |        |        | HR8603 (Lo-16bits)          |
| HR8605           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8606           |                                           |        |        | HR8605 (Lo-16bits)          |
| HR8607           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8608           |                                           |        |        | HR8607 (Lo-16bits)          |
| HR8609           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8610           |                                           |        |        | HR8609 (Lo-16bits)          |
| HR8611           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8612           |                                           |        |        | HR8611 (Lo-16bits)          |
| HR8613           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8614           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8615           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8616           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8617           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8618           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8619           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8620           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8621           | UV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8622           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8623           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8624           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8625           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8626           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8627           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8628           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8629           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8630           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8631           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8632           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8633           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8634           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8635           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8636           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8637           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8638           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8639           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8640           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |

| Holding Register | Parameter                       | Access | Length |                                       |
|------------------|---------------------------------|--------|--------|---------------------------------------|
| HR8641           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8642           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8643           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8644           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8645           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8646           |                                 |        |        | HR8645 (Lo-16bits)                    |
| HR8647           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8648           |                                 |        |        | HR8647 (Lo-16bits)                    |
| HR8649           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8650           |                                 |        |        | HR8649 (Lo-16bits)                    |
| HR8651           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8652           |                                 |        |        | HR8651 (Lo-16bits)                    |
| HR8653           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8654           |                                 |        |        | HR8653 (Lo-16bits)                    |
| HR8655           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8656           |                                 |        |        | HR8655 (Lo-16bits)                    |
| HR8657           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8658           |                                 |        |        | HR8657 (Lo-16bits)                    |
| HR8659           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8660           |                                 |        |        | HR8659 (Lo-16bits)                    |
| HR8661           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8662           |                                 |        |        | HR8661 (Lo-16bits)                    |
| HR8663           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8664           |                                 |        |        | HR8663 (Lo-16bits)                    |
| HR8665           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |

| Holding Register | Parameter                            | Access | Length |                              |
|------------------|--------------------------------------|--------|--------|------------------------------|
| HR8666           |                                      |        |        | HR8665 (Lo-16bits)           |
| HR8667           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8668           |                                      |        |        | HR8667 (Lo-16bits)           |
| HR8669           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8670           |                                      |        |        | HR8669 (Lo-16bits)           |
| HR8671           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8672           |                                      |        |        | HR8671 (Lo-16bits)           |
| HR8673           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8674           |                                      |        |        | HR8673 (Lo-16bits)           |
| HR8675           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8676           |                                      |        |        | HR8675 (Lo-16bits)           |
| HR8677           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8678           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8679           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8680           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8681           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8682           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8683           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8684           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8685           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8686           |                                      |        |        | HR8685 (Lo-16bits)           |
| HR8687           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8688           |                                      |        |        | HR8687 (Lo-16bits)           |
| HR8689           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8690           |                                      |        |        | HR8689 (Lo-16bits)           |
| HR8691           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8692           |                                   |        |        | HR8691 (Lo-16bits)            |
| HR8693           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8694           |                                   |        |        | HR8693 (Lo-16bits)            |
| HR8695           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8696           |                                   |        |        | HR8695 (Lo-16bits)            |
| HR8697           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8698           |                                   |        |        | HR8697 (Lo-16bits)            |
| HR8699           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8700           |                                   |        |        | HR8699 (Lo-16bits)            |
| HR8701           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8702           |                                   |        |        | HR8701 (Lo-16bits)            |
| HR8703           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8704           |                                   |        |        | HR8703 (Lo-16bits)            |
| HR8705           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8706           |                                   |        |        | HR8705 (Lo-16bits)            |
| HR8707           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8708           |                                   |        |        | HR8707 (Lo-16bits)            |
| HR8709           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8710           |                                   |        |        | HR8709 (Lo-16bits)            |
| HR8711           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8712           |                                   |        |        | HR8711 (Lo-16bits)            |
| HR8713           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8714           |                                   |        |        | HR8713 (Lo-16bits)            |
| HR8715           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8716           |                                   |        |        | HR8715 (Lo-16bits)            |
| HR8717           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8718           |                                   |        |        | HR8717 (Lo-16bits)            |
| HR8719           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8720           |                             |        |        | HR8719 (Lo-16bits)            |
| HR8721           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8722           |                             |        |        | HR8721 (Lo-16bits)            |
| HR8723           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8724           |                             |        |        | HR8723 (Lo-16bits)            |
| HR8725           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8726           |                             |        |        | HR8725 (Lo-16bits)            |
| HR8727           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8728           |                             |        |        | HR8727 (Lo-16bits)            |
| HR8729           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8730           |                             |        |        | HR8729 (Lo-16bits)            |
| HR8731           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8732           |                             |        |        | HR8731 (Lo-16bits)            |
| HR8733           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8734           |                             |        |        | HR8733 (Lo-16bits)            |
| HR8735           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8736           |                             |        |        | HR8735 (Lo-16bits)            |
| HR8737           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8738           |                             |        |        | HR8737 (Lo-16bits)            |
| HR8739           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8740           |                             |        |        | HR8739 (Lo-16bits)            |
| HR8741           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8742           |                             |        |        | HR8741 (Lo-16bits)            |
| HR8743           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8744           |                             |        |        | HR8743 (Lo-16bits)            |
| HR8745           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8746           |                             |        |        | HR8745 (Lo-16bits)            |
| HR8747           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8748           |                             |        |        | HR8747 (Lo-16bits)            |
| HR8749           | UV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8750           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8751           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8752           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8753           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8754           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8755           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8756           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8757           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8758           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8759           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8760           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8761           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8762           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8763           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8764           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8765           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8766           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8767           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8768           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |



| Holding Register | Parameter                                         | Access | Length |                             |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR8769           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8770           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8771           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8772           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8773           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8774           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8775           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8776           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8777           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8778           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8779           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8780           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8781           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8782           |                                                   |        |        | HR8781 (Lo-16bits)          |
| HR8783           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8784           |                                                   |        |        | HR8783 (Lo-16bits)          |
| HR8785           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8786           |                                                   |        |        | HR8785 (Lo-16bits)          |
| HR8787           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8788           |                                                   |        |        | HR8787 (Lo-16bits)          |
| HR8789           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8790           |                                                   |        |        | HR8789 (Lo-16bits)          |
| HR8791           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8792           |                                                   |        |        | HR8791 (Lo-16bits)          |
| HR8793           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8794           |                                                   |        |        | HR8793 (Lo-16bits)          |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8795           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8796           |                               |        |        | HR8795 (Lo-16bits)          |
| HR8797           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8798           |                               |        |        | HR8797 (Lo-16bits)          |
| HR8799           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8800           |                               |        |        | HR8799 (Lo-16bits)          |
| HR8801           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8802           |                               |        |        | HR8801 (Lo-16bits)          |
| HR8803           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8804           |                               |        |        | HR8803 (Lo-16bits)          |
| HR8805           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8806           |                               |        |        | HR8805 (Lo-16bits)          |
| HR8807           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8808           |                               |        |        | HR8807 (Lo-16bits)          |
| HR8809           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8810           |                               |        |        | HR8809 (Lo-16bits)          |
| HR8811           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8812           |                               |        |        | HR8811 (Lo-16bits)          |
| HR8813           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8814           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8815           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8816           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8817           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8818           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8819           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8820           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8821           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8822           |                                    |        |        | HR8821 (Lo-16bits)            |
| HR8823           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8824           |                                    |        |        | HR8823 (Lo-16bits)            |
| HR8825           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8826           |                                    |        |        | HR8825 (Lo-16bits)            |
| HR8827           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8828           |                                    |        |        | HR8827 (Lo-16bits)            |
| HR8829           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8830           |                                    |        |        | HR8829 (Lo-16bits)            |
| HR8831           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8832           |                                    |        |        | HR8831 (Lo-16bits)            |
| HR8833           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8834           |                                    |        |        | HR8833 (Lo-16bits)            |
| HR8835           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8836           |                                    |        |        | HR8835 (Lo-16bits)            |
| HR8837           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8838           |                                    |        |        | HR8837 (Lo-16bits)            |
| HR8839           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8840           |                                    |        |        | HR8839 (Lo-16bits)            |
| HR8841           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8842           |                                    |        |        | HR8841 (Lo-16bits)            |
| HR8843           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8844           |                                    |        |        | HR8843 (Lo-16bits)            |
| HR8845           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8846           |                                    |        |        | HR8845 (Lo-16bits)            |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8847           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8848           |                          |        |        | HR8847 (Lo-16bits)            |
| HR8849           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8850           |                          |        |        | HR8849 (Lo-16bits)            |
| HR8851           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8852           |                          |        |        | HR8851 (Lo-16bits)            |
| HR8853           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8854           |                          |        |        | HR8853 (Lo-16bits)            |
| HR8855           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8856           |                          |        |        | HR8855 (Lo-16bits)            |
| HR8857           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8858           |                          |        |        | HR8857 (Lo-16bits)            |
| HR8859           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8860           |                          |        |        | HR8859 (Lo-16bits)            |
| HR8861           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8862           |                          |        |        | HR8861 (Lo-16bits)            |
| HR8863           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8864           |                          |        |        | HR8863 (Lo-16bits)            |
| HR8865           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8866           |                          |        |        | HR8865 (Lo-16bits)            |
| HR8867           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8868           |                          |        |        | HR8867 (Lo-16bits)            |
| HR8869           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8870           |                          |        |        | HR8869 (Lo-16bits)            |
| HR8871           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8872           |                          |        |        | HR8871 (Lo-16bits)            |
| HR8873           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8874           |                          |        |        | HR8873 (Lo-16bits)            |
| HR8875           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8876           |                          |        |        | HR8875 (Lo-16bits)            |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR8877           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8878           |                                            |        |        | HR8877 (Lo-16bits)          |
| HR8879           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8880           |                                            |        |        | HR8879 (Lo-16bits)          |
| HR8881           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8882           |                                            |        |        | HR8881 (Lo-16bits)          |
| HR8883           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8884           |                                            |        |        | HR8883 (Lo-16bits)          |
| HR8885           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8886           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8887           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8888           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8889           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8890           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8891           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8892           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8893           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8894           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8895           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8896           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8897           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8898           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8899           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR8900           | VUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8901           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8902           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8903           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8904           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8905           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8906           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8907           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8908           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8909           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8910           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8911           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8912           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8913           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8914           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8915           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8916           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8917           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8918           |                                                    |        |        | HR8917 (Lo-16bits)          |
| HR8919           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8920           |                                                    |        |        | HR8919 (Lo-16bits)          |
| HR8921           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8922           |                               |        |        | HR8921 (Lo-16bits)          |
| HR8923           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8924           |                               |        |        | HR8923 (Lo-16bits)          |
| HR8925           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8926           |                               |        |        | HR8925 (Lo-16bits)          |
| HR8927           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8928           |                               |        |        | HR8927 (Lo-16bits)          |
| HR8929           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8930           |                               |        |        | HR8929 (Lo-16bits)          |
| HR8931           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8932           |                               |        |        | HR8931 (Lo-16bits)          |
| HR8933           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8934           |                               |        |        | HR8933 (Lo-16bits)          |
| HR8935           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8936           |                               |        |        | HR8935 (Lo-16bits)          |
| HR8937           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8938           |                               |        |        | HR8937 (Lo-16bits)          |
| HR8939           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8940           |                               |        |        | HR8939 (Lo-16bits)          |
| HR8941           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8942           |                               |        |        | HR8941 (Lo-16bits)          |
| HR8943           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8944           |                               |        |        | HR8943 (Lo-16bits)          |
| HR8945           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8946           |                               |        |        | HR8945 (Lo-16bits)          |
| HR8947           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8948           |                                    |        |        | HR8947 (Lo-16bits)            |
| HR8949           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8950           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8951           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8952           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8953           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8954           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8955           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8956           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8957           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8958           |                                    |        |        | HR8957 (Lo-16bits)            |
| HR8959           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8960           |                                    |        |        | HR8959 (Lo-16bits)            |
| HR8961           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8962           |                                    |        |        | HR8961 (Lo-16bits)            |
| HR8963           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8964           |                                    |        |        | HR8963 (Lo-16bits)            |
| HR8965           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8966           |                                    |        |        | HR8965 (Lo-16bits)            |
| HR8967           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8968           |                                    |        |        | HR8967 (Lo-16bits)            |
| HR8969           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8970           |                                    |        |        | HR8969 (Lo-16bits)            |
| HR8971           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8972           |                                    |        |        | HR8971 (Lo-16bits)            |
| HR8973           | VUB2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |



| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8974           |                          |        |        | HR8973 (Lo-16bits)            |
| HR8975           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8976           |                          |        |        | HR8975 (Lo-16bits)            |
| HR8977           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8978           |                          |        |        | HR8977 (Lo-16bits)            |
| HR8979           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8980           |                          |        |        | HR8979 (Lo-16bits)            |
| HR8981           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8982           |                          |        |        | HR8981 (Lo-16bits)            |
| HR8983           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8984           |                          |        |        | HR8983 (Lo-16bits)            |
| HR8985           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8986           |                          |        |        | HR8985 (Lo-16bits)            |
| HR8987           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8988           |                          |        |        | HR8987 (Lo-16bits)            |
| HR8989           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8990           |                          |        |        | HR8989 (Lo-16bits)            |
| HR8991           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8992           |                          |        |        | HR8991 (Lo-16bits)            |
| HR8993           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8994           |                          |        |        | HR8993 (Lo-16bits)            |
| HR8995           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8996           |                          |        |        | HR8995 (Lo-16bits)            |
| HR8997           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8998           |                          |        |        | HR8997 (Lo-16bits)            |
| HR8999           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9000           |                          |        |        | HR8999 (Lo-16bits)            |
| HR9001           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9002           |                          |        |        | HR9001 (Lo-16bits)            |
| HR9003           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR9004           |                                            |        |        | HR9003 (Lo-16bits)          |
| HR9005           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9006           |                                            |        |        | HR9005 (Lo-16bits)          |
| HR9007           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9008           |                                            |        |        | HR9007 (Lo-16bits)          |
| HR9009           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9010           |                                            |        |        | HR9009 (Lo-16bits)          |
| HR9011           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9012           |                                            |        |        | HR9011 (Lo-16bits)          |
| HR9013           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9014           |                                            |        |        | HR9013 (Lo-16bits)          |
| HR9015           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9016           |                                            |        |        | HR9015 (Lo-16bits)          |
| HR9017           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9018           |                                            |        |        | HR9017 (Lo-16bits)          |
| HR9019           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9020           |                                            |        |        | HR9019 (Lo-16bits)          |
| HR9021           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9022           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9023           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9024           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9025           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9026           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9027           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9028           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9029           | VUB2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                    |
|------------------|----------------------------------------------------|--------|--------|--------------------|
| HR9030           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9031           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9032           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9033           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9034           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9035           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9036           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9037           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9038           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9039           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9040           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9041           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9042           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9043           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9044           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9045           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9046           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9047           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9048           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR9049           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9050           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9051           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9052           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9053           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9054           |                               |        |        | HR9053 (Lo-16bits)          |
| HR9055           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9056           |                               |        |        | HR9055 (Lo-16bits)          |
| HR9057           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9058           |                               |        |        | HR9057 (Lo-16bits)          |
| HR9059           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9060           |                               |        |        | HR9059 (Lo-16bits)          |
| HR9061           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9062           |                               |        |        | HR9061 (Lo-16bits)          |
| HR9063           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9064           |                               |        |        | HR9063 (Lo-16bits)          |
| HR9065           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9066           |                               |        |        | HR9065 (Lo-16bits)          |
| HR9067           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9068           |                               |        |        | HR9067 (Lo-16bits)          |
| HR9069           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9070           |                               |        |        | HR9069 (Lo-16bits)          |
| HR9071           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9072           |                               |        |        | HR9071 (Lo-16bits)          |
| HR9073           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9074           |                               |        |        | HR9073 (Lo-16bits)          |
| HR9075           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9076           |                               |        |        | HR9075 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9077           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9078           |                                    |        |        | HR9077 (Lo-16bits)           |
| HR9079           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9080           |                                    |        |        | HR9079 (Lo-16bits)           |
| HR9081           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9082           |                                    |        |        | HR9081 (Lo-16bits)           |
| HR9083           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9084           |                                    |        |        | HR9083 (Lo-16bits)           |
| HR9085           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9086           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9087           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9088           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9089           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9090           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9091           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9092           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9093           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9094           |                                    |        |        | HR9093 (Lo-16bits)           |
| HR9095           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9096           |                                    |        |        | HR9095 (Lo-16bits)           |
| HR9097           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9098           |                                    |        |        | HR9097 (Lo-16bits)           |
| HR9099           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9100           |                                    |        |        | HR9099 (Lo-16bits)           |
| HR9101           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9102           |                                    |        |        | HR9101 (Lo-16bits)           |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9103           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9104           |                                    |        |        | HR9103 (Lo-16bits)            |
| HR9105           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9106           |                                    |        |        | HR9105 (Lo-16bits)            |
| HR9107           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9108           |                                    |        |        | HR9107 (Lo-16bits)            |
| HR9109           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9110           |                                    |        |        | HR9109 (Lo-16bits)            |
| HR9111           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9112           |                                    |        |        | HR9111 (Lo-16bits)            |
| HR9113           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9114           |                                    |        |        | HR9113 (Lo-16bits)            |
| HR9115           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9116           |                                    |        |        | HR9115 (Lo-16bits)            |
| HR9117           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9118           |                                    |        |        | HR9117 (Lo-16bits)            |
| HR9119           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9120           |                                    |        |        | HR9119 (Lo-16bits)            |
| HR9121           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9122           |                                    |        |        | HR9121 (Lo-16bits)            |
| HR9123           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9124           |                                    |        |        | HR9123 (Lo-16bits)            |
| HR9125           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9126           |                                    |        |        | HR9125 (Lo-16bits)            |
| HR9127           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9128           |                                    |        |        | HR9127 (Lo-16bits)            |
| HR9129           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9130           |                                    |        |        | HR9129 (Lo-16bits)            |
| HR9131           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                               |
|------------------|------------------------------|--------|--------|-------------------------------|
| HR9132           |                              |        |        | HR9131 (Lo-16bits)            |
| HR9133           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9134           |                              |        |        | HR9133 (Lo-16bits)            |
| HR9135           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9136           |                              |        |        | HR9135 (Lo-16bits)            |
| HR9137           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9138           |                              |        |        | HR9137 (Lo-16bits)            |
| HR9139           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9140           |                              |        |        | HR9139 (Lo-16bits)            |
| HR9141           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9142           |                              |        |        | HR9141 (Lo-16bits)            |
| HR9143           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9144           |                              |        |        | HR9143 (Lo-16bits)            |
| HR9145           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9146           |                              |        |        | HR9145 (Lo-16bits)            |
| HR9147           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9148           |                              |        |        | HR9147 (Lo-16bits)            |
| HR9149           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9150           |                              |        |        | HR9149 (Lo-16bits)            |
| HR9151           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9152           |                              |        |        | HR9151 (Lo-16bits)            |
| HR9153           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9154           |                              |        |        | HR9153 (Lo-16bits)            |
| HR9155           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9156           |                              |        |        | HR9155 (Lo-16bits)            |
| HR9157           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR9158           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR9159           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                          | Access | Length |            |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9160           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9161           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9162           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9163           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9164           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9165           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9166           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9167           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9168           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9169           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9170           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9171           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9172           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9173           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9174           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9175           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9176           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9177           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |



| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR9178           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9179           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9180           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9181           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9182           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9183           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9184           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9185           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9186           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9187           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9188           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9189           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9190           |                                                    |        |        | HR9189 (Lo-16bits)          |
| HR9191           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9192           |                                                    |        |        | HR9191 (Lo-16bits)          |
| HR9193           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9194           |                                                    |        |        | HR9193 (Lo-16bits)          |
| HR9195           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9196           |                                                    |        |        | HR9195 (Lo-16bits)          |
| HR9197           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9198           |                                                    |        |        | HR9197 (Lo-16bits)          |
| HR9199           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9200           |                                                    |        |        | HR9199 (Lo-16bits)          |
| HR9201           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9202           |                                                    |        |        | HR9201 (Lo-16bits)          |
| HR9203           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9204           |                                                    |        |        | HR9203 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9205           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9206           |                                    |        |        | HR9205 (Lo-16bits)           |
| HR9207           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9208           |                                    |        |        | HR9207 (Lo-16bits)           |
| HR9209           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9210           |                                    |        |        | HR9209 (Lo-16bits)           |
| HR9211           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9212           |                                    |        |        | HR9211 (Lo-16bits)           |
| HR9213           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9214           |                                    |        |        | HR9213 (Lo-16bits)           |
| HR9215           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9216           |                                    |        |        | HR9215 (Lo-16bits)           |
| HR9217           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9218           |                                    |        |        | HR9217 (Lo-16bits)           |
| HR9219           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9220           |                                    |        |        | HR9219 (Lo-16bits)           |
| HR9221           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9222           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9223           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9224           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9225           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9226           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9227           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9228           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9229           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9230           |                                    |        |        | HR9229 (Lo-16bits)           |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9231           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9232           |                                    |        |        | HR9231 (Lo-16bits)            |
| HR9233           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9234           |                                    |        |        | HR9233 (Lo-16bits)            |
| HR9235           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9236           |                                    |        |        | HR9235 (Lo-16bits)            |
| HR9237           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9238           |                                    |        |        | HR9237 (Lo-16bits)            |
| HR9239           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9240           |                                    |        |        | HR9239 (Lo-16bits)            |
| HR9241           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9242           |                                    |        |        | HR9241 (Lo-16bits)            |
| HR9243           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9244           |                                    |        |        | HR9243 (Lo-16bits)            |
| HR9245           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9246           |                                    |        |        | HR9245 (Lo-16bits)            |
| HR9247           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9248           |                                    |        |        | HR9247 (Lo-16bits)            |
| HR9249           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9250           |                                    |        |        | HR9249 (Lo-16bits)            |
| HR9251           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9252           |                                    |        |        | HR9251 (Lo-16bits)            |
| HR9253           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9254           |                                    |        |        | HR9253 (Lo-16bits)            |
| HR9255           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9256           |                                    |        |        | HR9255 (Lo-16bits)            |
| HR9257           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR9258           |                          |        |        | HR9257 (Lo-16bits)            |
| HR9259           | VUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9260           |                          |        |        | HR9259 (Lo-16bits)            |
| HR9261           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9262           |                          |        |        | HR9261 (Lo-16bits)            |
| HR9263           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9264           |                          |        |        | HR9263 (Lo-16bits)            |
| HR9265           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9266           |                          |        |        | HR9265 (Lo-16bits)            |
| HR9267           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9268           |                          |        |        | HR9267 (Lo-16bits)            |
| HR9269           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9270           |                          |        |        | HR9269 (Lo-16bits)            |
| HR9271           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9272           |                          |        |        | HR9271 (Lo-16bits)            |
| HR9273           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9274           |                          |        |        | HR9273 (Lo-16bits)            |
| HR9275           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9276           |                          |        |        | HR9275 (Lo-16bits)            |
| HR9277           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9278           |                          |        |        | HR9277 (Lo-16bits)            |
| HR9279           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9280           |                          |        |        | HR9279 (Lo-16bits)            |
| HR9281           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9282           |                          |        |        | HR9281 (Lo-16bits)            |
| HR9283           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9284           |                          |        |        | HR9283 (Lo-16bits)            |
| HR9285           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9286           |                          |        |        | HR9285 (Lo-16bits)            |
| HR9287           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR9288           |                                            |        |        | HR9287 (Lo-16bits)          |
| HR9289           | VUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9290           |                                            |        |        | HR9289 (Lo-16bits)          |
| HR9291           | VUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9292           |                                            |        |        | HR9291 (Lo-16bits)          |
| HR9293           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9294           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9295           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9296           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9297           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9298           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9299           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9300           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9301           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9302           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9303           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9304           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9305           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9306           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9307           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9308           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |            |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9309           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9310           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9311           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9312           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9313           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9314           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9315           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9316           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9317           | FRQV1:f> Enable                                    | R(W)   | 1      | 0=No;1=Yes |
| HR9318           | FRQV1:f>> Enable                                   | R(W)   | 1      | 0=No;1=Yes |
| HR9319           | FRQV1:f>>> Enable                                  | R(W)   | 1      | 0=No;1=Yes |
| HR9320           | FRQV1:f>>>> Enable                                 | R(W)   | 1      | 0=No;1=Yes |
| HR9321           | FRQV1:f< Enable                                    | R(W)   | 1      | 0=No;1=Yes |
| HR9322           | FRQV1:f<< Enable                                   | R(W)   | 1      | 0=No;1=Yes |
| HR9323           | FRQV1:f<<< Enable                                  | R(W)   | 1      | 0=No;1=Yes |
| HR9324           | FRQV1:f<<<< Enable                                 | R(W)   | 1      | 0=No;1=Yes |
| HR9325           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9326           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9327           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9328           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9329           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9330           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter           | Access | Length |                              |
|------------------|---------------------|--------|--------|------------------------------|
| HR9331           | FRQV1:f> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9332           | FRQV1:f> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9333           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9334           |                     |        |        | HR9333 (Lo-16bits)           |
| HR9335           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9336           |                     |        |        | HR9335 (Lo-16bits)           |
| HR9337           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9338           |                     |        |        | HR9337 (Lo-16bits)           |
| HR9339           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9340           |                     |        |        | HR9339 (Lo-16bits)           |
| HR9341           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9342           |                     |        |        | HR9341 (Lo-16bits)           |
| HR9343           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9344           |                     |        |        | HR9343 (Lo-16bits)           |
| HR9345           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9346           |                     |        |        | HR9345 (Lo-16bits)           |
| HR9347           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9348           |                     |        |        | HR9347 (Lo-16bits)           |
| HR9349           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9350           |                     |        |        | HR9349 (Lo-16bits)           |
| HR9351           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9352           |                     |        |        | HR9351 (Lo-16bits)           |
| HR9353           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9354           |                     |        |        | HR9353 (Lo-16bits)           |
| HR9355           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9356           |                     |        |        | HR9355 (Lo-16bits)           |
| HR9357           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9358           |                     |        |        | HR9357 (Lo-16bits)           |
| HR9359           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9360           |                     |        |        | HR9359 (Lo-16bits)           |

| Holding Register | Parameter            | Access | Length |                              |
|------------------|----------------------|--------|--------|------------------------------|
| HR9361           | FRQV1:f> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9362           |                      |        |        | HR9361 (Lo-16bits)           |
| HR9363           | FRQV1:f> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9364           |                      |        |        | HR9363 (Lo-16bits)           |
| HR9365           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9366           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9367           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9368           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9369           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9370           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9371           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9372           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9373           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9374           |                      |        |        | HR9373 (Lo-16bits)           |
| HR9375           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9376           |                      |        |        | HR9375 (Lo-16bits)           |
| HR9377           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9378           |                      |        |        | HR9377 (Lo-16bits)           |
| HR9379           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9380           |                      |        |        | HR9379 (Lo-16bits)           |
| HR9381           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9382           |                      |        |        | HR9381 (Lo-16bits)           |
| HR9383           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9384           |                      |        |        | HR9383 (Lo-16bits)           |
| HR9385           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9386           |                      |        |        | HR9385 (Lo-16bits)           |
| HR9387           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9388           |                      |        |        | HR9387 (Lo-16bits)           |
| HR9389           | FRQV1:f>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9390           |                      |        |        | HR9389 (Lo-16bits)           |



| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9391           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9392           |                       |        |        | HR9391 (Lo-16bits)           |
| HR9393           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9394           |                       |        |        | HR9393 (Lo-16bits)           |
| HR9395           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9396           |                       |        |        | HR9395 (Lo-16bits)           |
| HR9397           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9398           |                       |        |        | HR9397 (Lo-16bits)           |
| HR9399           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9400           |                       |        |        | HR9399 (Lo-16bits)           |
| HR9401           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9402           |                       |        |        | HR9401 (Lo-16bits)           |
| HR9403           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9404           |                       |        |        | HR9403 (Lo-16bits)           |
| HR9405           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9406           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9407           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9408           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9409           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9410           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9411           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9412           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9413           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9414           |                       |        |        | HR9413 (Lo-16bits)           |
| HR9415           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9416           |                       |        |        | HR9415 (Lo-16bits)           |
| HR9417           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9418           |                       |        |        | HR9417 (Lo-16bits)           |
| HR9419           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9420           |                       |        |        | HR9419 (Lo-16bits)           |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9421           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9422           |                        |        |        | HR9421 (Lo-16bits)           |
| HR9423           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9424           |                        |        |        | HR9423 (Lo-16bits)           |
| HR9425           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9426           |                        |        |        | HR9425 (Lo-16bits)           |
| HR9427           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9428           |                        |        |        | HR9427 (Lo-16bits)           |
| HR9429           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9430           |                        |        |        | HR9429 (Lo-16bits)           |
| HR9431           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9432           |                        |        |        | HR9431 (Lo-16bits)           |
| HR9433           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9434           |                        |        |        | HR9433 (Lo-16bits)           |
| HR9435           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9436           |                        |        |        | HR9435 (Lo-16bits)           |
| HR9437           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9438           |                        |        |        | HR9437 (Lo-16bits)           |
| HR9439           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9440           |                        |        |        | HR9439 (Lo-16bits)           |
| HR9441           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9442           |                        |        |        | HR9441 (Lo-16bits)           |
| HR9443           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9444           |                        |        |        | HR9443 (Lo-16bits)           |
| HR9445           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9446           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9447           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9448           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9449           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9450           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9451           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9452           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9453           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9454           |                        |        |        | HR9453 (Lo-16bits)           |
| HR9455           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9456           |                        |        |        | HR9455 (Lo-16bits)           |
| HR9457           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9458           |                        |        |        | HR9457 (Lo-16bits)           |
| HR9459           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9460           |                        |        |        | HR9459 (Lo-16bits)           |
| HR9461           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9462           |                        |        |        | HR9461 (Lo-16bits)           |
| HR9463           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9464           |                        |        |        | HR9463 (Lo-16bits)           |
| HR9465           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9466           |                        |        |        | HR9465 (Lo-16bits)           |
| HR9467           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9468           |                        |        |        | HR9467 (Lo-16bits)           |
| HR9469           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9470           |                        |        |        | HR9469 (Lo-16bits)           |
| HR9471           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9472           |                        |        |        | HR9471 (Lo-16bits)           |
| HR9473           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9474           |                        |        |        | HR9473 (Lo-16bits)           |
| HR9475           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9476           |                        |        |        | HR9475 (Lo-16bits)           |
| HR9477           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9478           |                        |        |        | HR9477 (Lo-16bits)           |
| HR9479           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9480           |                        |        |        | HR9479 (Lo-16bits)           |

| Holding Register | Parameter           | Access | Length |                              |
|------------------|---------------------|--------|--------|------------------------------|
| HR9481           | FRQV1:f>>>> Op.time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9482           |                     |        |        | HR9481 (Lo-16bits)           |
| HR9483           | FRQV1:f>>>> Op.time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9484           |                     |        |        | HR9483 (Lo-16bits)           |
| HR9485           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9486           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9487           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9488           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9489           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9490           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9491           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9492           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9493           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9494           |                     |        |        | HR9493 (Lo-16bits)           |
| HR9495           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9496           |                     |        |        | HR9495 (Lo-16bits)           |
| HR9497           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9498           |                     |        |        | HR9497 (Lo-16bits)           |
| HR9499           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9500           |                     |        |        | HR9499 (Lo-16bits)           |
| HR9501           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9502           |                     |        |        | HR9501 (Lo-16bits)           |
| HR9503           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9504           |                     |        |        | HR9503 (Lo-16bits)           |
| HR9505           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9506           |                     |        |        | HR9505 (Lo-16bits)           |
| HR9507           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9508           |                     |        |        | HR9507 (Lo-16bits)           |
| HR9509           | FRQV1:f< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9510           |                     |        |        | HR9509 (Lo-16bits)           |

| Holding Register | Parameter            | Access | Length |                              |
|------------------|----------------------|--------|--------|------------------------------|
| HR9511           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9512           |                      |        |        | HR9511 (Lo-16bits)           |
| HR9513           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9514           |                      |        |        | HR9513 (Lo-16bits)           |
| HR9515           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9516           |                      |        |        | HR9515 (Lo-16bits)           |
| HR9517           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9518           |                      |        |        | HR9517 (Lo-16bits)           |
| HR9519           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9520           |                      |        |        | HR9519 (Lo-16bits)           |
| HR9521           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9522           |                      |        |        | HR9521 (Lo-16bits)           |
| HR9523           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9524           |                      |        |        | HR9523 (Lo-16bits)           |
| HR9525           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9526           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9527           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9528           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9529           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9530           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9531           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9532           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9533           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9534           |                      |        |        | HR9533 (Lo-16bits)           |
| HR9535           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9536           |                      |        |        | HR9535 (Lo-16bits)           |
| HR9537           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9538           |                      |        |        | HR9537 (Lo-16bits)           |
| HR9539           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9540           |                      |        |        | HR9539 (Lo-16bits)           |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9541           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9542           |                       |        |        | HR9541 (Lo-16bits)           |
| HR9543           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9544           |                       |        |        | HR9543 (Lo-16bits)           |
| HR9545           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9546           |                       |        |        | HR9545 (Lo-16bits)           |
| HR9547           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9548           |                       |        |        | HR9547 (Lo-16bits)           |
| HR9549           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9550           |                       |        |        | HR9549 (Lo-16bits)           |
| HR9551           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9552           |                       |        |        | HR9551 (Lo-16bits)           |
| HR9553           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9554           |                       |        |        | HR9553 (Lo-16bits)           |
| HR9555           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9556           |                       |        |        | HR9555 (Lo-16bits)           |
| HR9557           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9558           |                       |        |        | HR9557 (Lo-16bits)           |
| HR9559           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9560           |                       |        |        | HR9559 (Lo-16bits)           |
| HR9561           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9562           |                       |        |        | HR9561 (Lo-16bits)           |
| HR9563           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9564           |                       |        |        | HR9563 (Lo-16bits)           |
| HR9565           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9566           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9567           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9568           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9569           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9570           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9571           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9572           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9573           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9574           |                       |        |        | HR9573 (Lo-16bits)           |
| HR9575           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9576           |                       |        |        | HR9575 (Lo-16bits)           |
| HR9577           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9578           |                       |        |        | HR9577 (Lo-16bits)           |
| HR9579           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9580           |                       |        |        | HR9579 (Lo-16bits)           |
| HR9581           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9582           |                       |        |        | HR9581 (Lo-16bits)           |
| HR9583           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9584           |                       |        |        | HR9583 (Lo-16bits)           |
| HR9585           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9586           |                       |        |        | HR9585 (Lo-16bits)           |
| HR9587           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9588           |                       |        |        | HR9587 (Lo-16bits)           |
| HR9589           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9590           |                       |        |        | HR9589 (Lo-16bits)           |
| HR9591           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9592           |                       |        |        | HR9591 (Lo-16bits)           |
| HR9593           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9594           |                       |        |        | HR9593 (Lo-16bits)           |
| HR9595           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9596           |                       |        |        | HR9595 (Lo-16bits)           |
| HR9597           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9598           |                       |        |        | HR9597 (Lo-16bits)           |
| HR9599           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9600           |                       |        |        | HR9599 (Lo-16bits)           |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9601           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9602           |                        |        |        | HR9601 (Lo-16bits)           |
| HR9603           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9604           |                        |        |        | HR9603 (Lo-16bits)           |
| HR9605           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9606           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9607           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9608           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9609           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9610           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9611           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9612           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9613           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9614           |                        |        |        | HR9613 (Lo-16bits)           |
| HR9615           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9616           |                        |        |        | HR9615 (Lo-16bits)           |
| HR9617           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9618           |                        |        |        | HR9617 (Lo-16bits)           |
| HR9619           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9620           |                        |        |        | HR9619 (Lo-16bits)           |
| HR9621           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9622           |                        |        |        | HR9621 (Lo-16bits)           |
| HR9623           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9624           |                        |        |        | HR9623 (Lo-16bits)           |
| HR9625           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9626           |                        |        |        | HR9625 (Lo-16bits)           |
| HR9627           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9628           |                        |        |        | HR9627 (Lo-16bits)           |
| HR9629           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9630           |                        |        |        | HR9629 (Lo-16bits)           |



| Holding Register | Parameter                 | Access | Length |                                         |
|------------------|---------------------------|--------|--------|-----------------------------------------|
| HR9631           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9632           |                           |        |        | HR9631 (Lo-16bits)                      |
| HR9633           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9634           |                           |        |        | HR9633 (Lo-16bits)                      |
| HR9635           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9636           |                           |        |        | HR9635 (Lo-16bits)                      |
| HR9637           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9638           |                           |        |        | HR9637 (Lo-16bits)                      |
| HR9639           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9640           |                           |        |        | HR9639 (Lo-16bits)                      |
| HR9641           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9642           |                           |        |        | HR9641 (Lo-16bits)                      |
| HR9643           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9644           |                           |        |        | HR9643 (Lo-16bits)                      |
| HR9645           | GSYN:GSYN Nets Standstill | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9646           |                           |        |        | HR9645 (Lo-16bits)                      |
| HR9647           | GSYN:GSYN Nets Departing  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9648           |                           |        |        | HR9647 (Lo-16bits)                      |
| HR9649           | GSYN:GSYN Nets Enclosing  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9650           |                           |        |        | HR9649 (Lo-16bits)                      |
| HR9651           | DEV:Serial number         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR9652           |                           |        |        | HR9651 (Lo-16bits)                      |
| HR9653           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9654           |                           |        |        | HR9653 (Lo-16bits)                      |
| HR9655           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9656           |                           |        |        | HR9655 (Lo-16bits)                      |
| HR9657           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9658           |                           |        |        | HR9657 (Lo-16bits)                      |
| HR9659           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |

| Holding Register | Parameter      | Access | Length |                             |
|------------------|----------------|--------|--------|-----------------------------|
| HR9660           |                |        |        | HR9659 (Lo-16bits)          |
| HR9661           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9662           |                |        |        | HR9661 (Lo-16bits)          |
| HR9663           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9664           |                |        |        | HR9663 (Lo-16bits)          |
| HR9665           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9666           |                |        |        | HR9665 (Lo-16bits)          |
| HR9667           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9668           |                |        |        | HR9667 (Lo-16bits)          |
| HR9669           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9670           |                |        |        | HR9669 (Lo-16bits)          |
| HR9671           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9672           |                |        |        | HR9671 (Lo-16bits)          |
| HR9673           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9674           |                |        |        | HR9673 (Lo-16bits)          |
| HR9675           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9676           |                |        |        | HR9675 (Lo-16bits)          |
| HR9677           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9678           |                |        |        | HR9677 (Lo-16bits)          |
| HR9679           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9680           |                |        |        | HR9679 (Lo-16bits)          |
| HR9681           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9682           |                |        |        | HR9681 (Lo-16bits)          |
| HR9683           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9684           |                |        |        | HR9683 (Lo-16bits)          |
| HR9685           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9686           |                |        |        | HR9685 (Lo-16bits)          |
| HR9687           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9688           |                |        |        | HR9687 (Lo-16bits)          |

| Holding Register | Parameter                                                     | Access | Length |                        |
|------------------|---------------------------------------------------------------|--------|--------|------------------------|
| HR9689           | MBTCP:Enable mapped setting value modification through Modbus | RW     | 1      | 0=Disabled;1=Enabled   |
| HR9690           | NOC1:I> [50/51] mode                                          | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9691           | NOC2:I>> [50/51] mode                                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9692           | NOC3:I>>> [50/51] mode                                        | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9693           | NOC4:I>>>> [50/51] mode                                       | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9694           | NEF1:I0> [50N/51N] mode                                       | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9695           | NEF2:I0>> [50N/51N] mode                                      | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9696           | NEF3:I0>>> [50N/51N] mode                                     | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9697           | NEF4:I0>>>> [50N/51N] mode                                    | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9698           | CUB1:I2> [46] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9699           | CUB2:I2>> [46] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9700           | CUB3:I2>>> [46] mode                                          | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9701           | CUB4:I2>>>> [46] mode                                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9702           | OV1:U> [59] mode                                              | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9703           | OV2:U>> [59] mode                                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9704           | OV3:U>>> [59] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9705           | OV4:U>>>> [59] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9706           | UV1:U< [27] mode                                              | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9707           | UV2:U<< [27] mode                                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9708           | UV3:U<<< [27] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9709           | UV4:U<<<< [27] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9710           | VUB1:U1/2 >/< [47/27PN/59PN] mode                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9711           | VUB2:U1/2 >>/<< [47/27PN/59PN] mode                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9712           | VUB3:U1/2 >>>/<<< [47/27PN/59PN] mode                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9713           | VUB4:U1/2 >>>>/<<<< [47/27PN/59PN] mode                       | R(W)   | 1      | 0=Disabled;1=Activated |

| Holding Register | Parameter                 | Access | Length |                             |
|------------------|---------------------------|--------|--------|-----------------------------|
| HR9714           | FRQV1:f</> [81O/81U] mode | R(W)   | 1      | 0=Disabled;1=Activated      |
| HR9715           | MEAS1:IL1 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9716           |                           |        |        | HR9715 (Lo-16bits)          |
| HR9717           | MEAS1:IL1 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9718           |                           |        |        | HR9717 (Lo-16bits)          |
| HR9719           | MEAS1:IL2 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9720           |                           |        |        | HR9719 (Lo-16bits)          |
| HR9721           | MEAS1:IL2 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9722           |                           |        |        | HR9721 (Lo-16bits)          |
| HR9723           | MEAS1:IL3 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9724           |                           |        |        | HR9723 (Lo-16bits)          |
| HR9725           | MEAS1:IL3 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9726           |                           |        |        | HR9725 (Lo-16bits)          |
| HR9727           | MEAS1:I01 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9728           |                           |        |        | HR9727 (Lo-16bits)          |
| HR9729           | MEAS1:I01 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9730           |                           |        |        | HR9729 (Lo-16bits)          |
| HR9731           | MEAS1:I02 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9732           |                           |        |        | HR9731 (Lo-16bits)          |
| HR9733           | MEAS1:I02 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9734           |                           |        |        | HR9733 (Lo-16bits)          |
| HR9735           | MEAS2:I"L1 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9736           |                           |        |        | HR9735 (Lo-16bits)          |
| HR9737           | MEAS2:I"L1 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9738           |                           |        |        | HR9737 (Lo-16bits)          |
| HR9739           | MEAS2:I"L2 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9740           |                           |        |        | HR9739 (Lo-16bits)          |
| HR9741           | MEAS2:I"L2 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9742           |                           |        |        | HR9741 (Lo-16bits)          |

| Holding Register | Parameter                             | Access | Length |                                          |
|------------------|---------------------------------------|--------|--------|------------------------------------------|
| HR9743           | MEAS2:I <sup>L</sup> 3 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9744           |                                       |        |        | HR9743 (Lo-16bits)                       |
| HR9745           | MEAS2:I <sup>L</sup> 3 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9746           |                                       |        |        | HR9745 (Lo-16bits)                       |
| HR9747           | MEAS2:I <sup>L</sup> 01 Amplitude THD | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9748           |                                       |        |        | HR9747 (Lo-16bits)                       |
| HR9749           | MEAS2:I <sup>L</sup> 01 Power THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9750           |                                       |        |        | HR9749 (Lo-16bits)                       |
| HR9751           | MEAS2:I <sup>L</sup> 02 Amplitude THD | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9752           |                                       |        |        | HR9751 (Lo-16bits)                       |
| HR9753           | MEAS2:I <sup>L</sup> 02 Power THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9754           |                                       |        |        | HR9753 (Lo-16bits)                       |
| HR9755           | MEAS3:UL1 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9756           |                                       |        |        | HR9755 (Lo-16bits)                       |
| HR9757           | MEAS3:UL1 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9758           |                                       |        |        | HR9757 (Lo-16bits)                       |
| HR9759           | MEAS3:UL2 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9760           |                                       |        |        | HR9759 (Lo-16bits)                       |
| HR9761           | MEAS3:UL2 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9762           |                                       |        |        | HR9761 (Lo-16bits)                       |
| HR9763           | MEAS3:UL3 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9764           |                                       |        |        | HR9763 (Lo-16bits)                       |
| HR9765           | MEAS3:UL3 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9766           |                                       |        |        | HR9765 (Lo-16bits)                       |
| HR9767           | RTB:RTS to bus Magnitude <sub>9</sub> | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR9768           |                                       |        |        | HR9767 (Lo-16bits)                       |

| Holding Register | Parameter                            | Access | Length |                                                           |
|------------------|--------------------------------------|--------|--------|-----------------------------------------------------------|
| HR9769           | RTB:RTS to bus Magnitude 10          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits)                  |
| HR9770           |                                      |        |        | HR9769 (Lo-16bits)                                        |
| HR9771           | DIGI:DIs (cpu)                       | R      | 2      | 0b=DI1;1b=DI2;2b=DI3; (Hi-16bits)                         |
| HR9772           |                                      |        |        | HR9771 (Lo-16bits)                                        |
| HR9773           | DIGI:DIs (input option 1)            | R      | 2      | 0b=DI4;1b=DI5;2b=DI6;3b=DI7;4b=DI8;5b=DI9;6b=DI10;7b=DI11 |
| HR9774           |                                      |        |        | HR9773 (Lo-16bits)                                        |
| HR9775           | DIGI:DIs (input option 2)            | R      | 2      | 0b=DI12;1b=DI13;2b=DI14;3b=DI15;4b=DI16;5b=DI17;6b=DI18   |
| HR9776           |                                      |        |        | HR9775 (Lo-16bits)                                        |
| HR9777           | DIGI:DIs (input option 3)            | R      | 2      | 0b=DI20;1b=DI21;2b=DI22;3b=DI23;4b=DI24;5b=DI25;6b=DI26   |
| HR9778           |                                      |        |        | HR9777 (Lo-16bits)                                        |
| HR9779           | DIGI:DIs (input option 4)            | R      | 2      | 0b=DI28;1b=DI29;2b=DI30;3b=DI31;4b=DI32;5b=DI33;6b=DI34;  |
| HR9780           |                                      |        |        | HR9779 (Lo-16bits)                                        |
| HR9781           | DIGI:DIs (input option 5)            | R      | 2      | 0b=DI36;1b=DI37;2b=DI38;3b=DI39;4b=DI40;5b=DI41;6b=DI42   |
| HR9782           |                                      |        |        | HR9781 (Lo-16bits)                                        |
| HR9783           | DIGI:DIs (input option 6)            | R      | 2      | 0b=DI44;1b=DI45;2b=DI46;3b=DI47;4b=DI48;5b=DI49;6b=DI50   |
| HR9784           |                                      |        |        | HR9783 (Lo-16bits)                                        |
| HR9785           | FREQS:SS1.meas.frqs                  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                |
| HR9786           |                                      |        |        | HR9785 (Lo-16bits)                                        |
| HR9787           | FREQS:SS2.meas.frqs                  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                |
| HR9788           |                                      |        |        | HR9787 (Lo-16bits)                                        |
| HR9789           | SYN1:SYN2 Estimated BRK Closing time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9790           |                                      |        |        | HR9789 (Lo-16bits)                                        |
| HR9791           | SYN1:SYN2 Networks rotating time     | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9792           |                                      |        |        | HR9791 (Lo-16bits)                                        |
| HR9793           | SYN1:SYN2 Networks placement atm     | R      | 2      | FLOAT [-360.000...360.000] (Hi-16bits)                    |
| HR9794           |                                      |        |        | HR9793 (Lo-16bits)                                        |
| HR9795           | SYN1:SYN3 Estimated BRK Closing time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9796           |                                      |        |        | HR9795 (Lo-16bits)                                        |

| Holding Register | Parameter                        | Access | Length |                                                    |
|------------------|----------------------------------|--------|--------|----------------------------------------------------|
| HR9797           | SYN1:SYN3 Networks rotating time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                    |
| HR9798           |                                  |        |        | HR9797 (Lo-16bits)                                 |
| HR9799           | SYN1:SYN3 Networks placement atm | R      | 2      | FLOAT [-360.000...360.000] (Hi-16bits)             |
| HR9800           |                                  |        |        | HR9799 (Lo-16bits)                                 |
| HR9801           | COL1:ICOL> (49OL) mode           | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9802           | COL2:ICOL>> (49OL) mode          | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9803           | CNU1:CNU> (50UB) mode            | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9906           | Object6 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9907           | Object7 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9908           | Object8 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9909           | Object9 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9910           | Object10 control register        | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |

### 1.3 M Modbus map

The following table lists modbus holding registers for AQ-210 frame units with firmware M\_v2.1.1.3-233. The firmware is used by the following device types:

- AQ-M210
- AQ-M215



#### NOTICE!

Best way to always get the latest Modbus map is to load the aqs configuration file from the unit and in the AQtivate setting tool go to *Tools* → *Communication* → *Modbus map*.

Table. 1.3 - 3. AQ-21x frame Modbus map

| Holding Register | Parameter                | Access | Length |                                                    |
|------------------|--------------------------|--------|--------|----------------------------------------------------|
| HR1              | Modbus requests          | R/W=0  | 1      | Diagnostic request counter                         |
| HR2              | Modbus quality           | R      | 1      | Diagnostic quality                                 |
| HR3              | Modbus errors            | R/W=0  | 1      | Diagnostic error counter                           |
| HR4              | Modbus Ctrl OK           | R/W=0  | 1      | Diagnostic Control OK counter                      |
| HR5              | Modbus Ctrl Errors       | R/W=0  | 1      | Diagnostic Control Error counter                   |
| HR6              | Object1 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |

| Holding Register | Parameter                | Access | Length |                                                    |
|------------------|--------------------------|--------|--------|----------------------------------------------------|
| HR7              | Object2 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR8              | Object3 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9              | Object4 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR10             | Object5 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR11             | Previous Event register  | R      | 6      | Event code                                         |
| HR12             | Previous Event register  | R      | 6      | Event timestamp (ms)                               |
| HR13             | Previous Event register  | R      | 6      | Event timestamp (sec Hi-16bits)                    |
| HR14             | Previous Event register  | R      | 6      | Event timestamp (sec Lo-16bits)                    |
| HR15             | Previous Event register  | R      | 6      | Event sequential index                             |
| HR16             | Previous Event register  | R      | 6      | RESERVED                                           |
| HR17             | Event register           | R      | 6      | Event code                                         |
| HR18             | Event register           | R      | 6      | Event timestamp (ms)                               |
| HR19             | Event register           | R      | 6      | Event timestamp (sec Hi-16bits)                    |
| HR20             | Event register           | R      | 6      | Event timestamp (sec Lo-16bits)                    |
| HR21             | Event register           | R      | 6      | Event sequential index                             |
| HR22             | Event register           | R      | 6      | RESERVED                                           |
| HR23             | System time              | RW     | 3      | System time (ms)                                   |
| HR24             | System time              | RW     | 3      | System time (sec Hi-16bits)                        |
| HR25             | System time              | RW     | 3      | System time (sec Lo-16bits)                        |
| HR26             | MEAS1: Pri.Pha.curr.IL1  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR27             |                          |        |        | HR26 (Lo-16bits)                                   |
| HR28             | MEAS1: Pri.Pha.curr.IL2  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR29             |                          |        |        | HR28 (Lo-16bits)                                   |
| HR30             | MEAS1: Pri.Pha.curr.IL3  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR31             |                          |        |        | HR30 (Lo-16bits)                                   |
| HR32             | MEAS1: Pha.angle IL1     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR33             |                          |        |        | HR32 (Lo-16bits)                                   |
| HR34             | MEAS1: Pha.angle IL2     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR35             |                          |        |        | HR34 (Lo-16bits)                                   |
| HR36             | MEAS1: Pha.angle IL3     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |



| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR37             |                              |        |        | HR36 (Lo-16bits)               |
| HR38             | MEAS1: Pri.Res.curr.I01      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR39             |                              |        |        | HR38 (Lo-16bits)               |
| HR40             | MEAS1: Res.curr.angle I01    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR41             |                              |        |        | HR40 (Lo-16bits)               |
| HR42             | MEAS1: Pri.Res.curr.I02      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR43             |                              |        |        | HR42 (Lo-16bits)               |
| HR44             | MEAS1: Res.curr.angle I02    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR45             |                              |        |        | HR44 (Lo-16bits)               |
| HR46             | MEAS1: Pri.calc.I0           | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR47             |                              |        |        | HR46 (Lo-16bits)               |
| HR48             | MEAS1: calc.I0 Pha.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR49             |                              |        |        | HR48 (Lo-16bits)               |
| HR50             | MEAS1: Pha.curr.IL1 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR51             |                              |        |        | HR50 (Lo-16bits)               |
| HR52             | MEAS1: Pha.curr.IL2 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR53             |                              |        |        | HR52 (Lo-16bits)               |
| HR54             | MEAS1: Pha.curr.IL3 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR55             |                              |        |        | HR54 (Lo-16bits)               |
| HR56             | MEAS1: Pri.Pos.seq.curr.     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR57             |                              |        |        | HR56 (Lo-16bits)               |
| HR58             | MEAS1: Pri.Neg.seq.curr.     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR59             |                              |        |        | HR58 (Lo-16bits)               |
| HR60             | MEAS1: Pri.Zero seq.curr.    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR61             |                              |        |        | HR60 (Lo-16bits)               |
| HR62             | MEAS1: Pos.seq.curr.angle    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR63             |                              |        |        | HR62 (Lo-16bits)               |
| HR64             | MEAS1: Neg.seq.curr.angle    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR65             |                              |        |        | HR64 (Lo-16bits)               |

| Holding Register | Parameter                   | Access | Length |                                |
|------------------|-----------------------------|--------|--------|--------------------------------|
| HR66             | MEAS1:Zero seq.curr.angle   | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR67             |                             |        |        | HR66 (Lo-16bits)               |
| HR68             | MEAS1:Res.curr.I01 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR69             |                             |        |        | HR68 (Lo-16bits)               |
| HR70             | MEAS1:Res.curr.I02 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR71             |                             |        |        | HR70 (Lo-16bits)               |
| HR72             | MEAS1:Pha.L1 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR73             |                             |        |        | HR72 (Lo-16bits)               |
| HR74             | MEAS1:Pha.L1 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR75             |                             |        |        | HR74 (Lo-16bits)               |
| HR76             | MEAS1:Pha.L2 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR77             |                             |        |        | HR76 (Lo-16bits)               |
| HR78             | MEAS1:Pha.L2 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR79             |                             |        |        | HR78 (Lo-16bits)               |
| HR80             | MEAS1:Pha.L3 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR81             |                             |        |        | HR80 (Lo-16bits)               |
| HR82             | MEAS1:Pha.L3 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR83             |                             |        |        | HR82 (Lo-16bits)               |
| HR84             | MEAS1:Res.I01 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR85             |                             |        |        | HR84 (Lo-16bits)               |
| HR86             | MEAS1:Res.I01 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR87             |                             |        |        | HR86 (Lo-16bits)               |
| HR88             | MEAS1:Res.I02 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR89             |                             |        |        | HR88 (Lo-16bits)               |
| HR90             | MEAS1:Res.I02 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR91             |                             |        |        | HR90 (Lo-16bits)               |
| HR92             | MEAS1:P-P curr.IL1          | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR93             |                             |        |        | HR92 (Lo-16bits)               |
| HR94             | MEAS1:P-P curr.IL2          | R      | 2      | FLOAT [0...500] (Hi-16bits)    |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR95             |                    |        |        | HR94 (Lo-16bits)               |
| HR96             | MEAS1:P-P curr.IL3 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR97             |                    |        |        | HR96 (Lo-16bits)               |
| HR98             | MEAS1:P-P curr.I01 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR99             |                    |        |        | HR98 (Lo-16bits)               |
| HR100            | MEAS1:P-P curr.I02 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR101            |                    |        |        | HR100 (Lo-16bits)              |
| HR102            | MEAS1:IL1 Fund     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR103            |                    |        |        | HR102 (Lo-16bits)              |
| HR104            | MEAS1:IL1 2.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR105            |                    |        |        | HR104 (Lo-16bits)              |
| HR106            | MEAS1:IL1 3.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR107            |                    |        |        | HR106 (Lo-16bits)              |
| HR108            | MEAS1:IL1 4.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR109            |                    |        |        | HR108 (Lo-16bits)              |
| HR110            | MEAS1:IL1 5.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR111            |                    |        |        | HR110 (Lo-16bits)              |
| HR112            | MEAS1:IL1 6.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR113            |                    |        |        | HR112 (Lo-16bits)              |
| HR114            | MEAS1:IL1 7.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR115            |                    |        |        | HR114 (Lo-16bits)              |
| HR116            | MEAS1:IL1 8.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR117            |                    |        |        | HR116 (Lo-16bits)              |
| HR118            | MEAS1:IL1 9.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR119            |                    |        |        | HR118 (Lo-16bits)              |
| HR120            | MEAS1:IL1 10.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR121            |                    |        |        | HR120 (Lo-16bits)              |
| HR122            | MEAS1:IL1 11.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR123            |                    |        |        | HR122 (Lo-16bits)              |
| HR124            | MEAS1:IL1 12.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR125            |                   |        |        | HR124 (Lo-16bits)              |
| HR126            | MEAS1:IL1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR127            |                   |        |        | HR126 (Lo-16bits)              |
| HR128            | MEAS1:IL1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR129            |                   |        |        | HR128 (Lo-16bits)              |
| HR130            | MEAS1:IL1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR131            |                   |        |        | HR130 (Lo-16bits)              |
| HR132            | MEAS1:IL1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR133            |                   |        |        | HR132 (Lo-16bits)              |
| HR134            | MEAS1:IL1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR135            |                   |        |        | HR134 (Lo-16bits)              |
| HR136            | MEAS1:IL1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR137            |                   |        |        | HR136 (Lo-16bits)              |
| HR138            | MEAS1:IL1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR139            |                   |        |        | HR138 (Lo-16bits)              |
| HR140            | MEAS1:IL1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR141            |                   |        |        | HR140 (Lo-16bits)              |
| HR142            | MEAS1:IL1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR143            |                   |        |        | HR142 (Lo-16bits)              |
| HR144            | MEAS1:IL1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR145            |                   |        |        | HR144 (Lo-16bits)              |
| HR146            | MEAS1:IL1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR147            |                   |        |        | HR146 (Lo-16bits)              |
| HR148            | MEAS1:IL1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR149            |                   |        |        | HR148 (Lo-16bits)              |
| HR150            | MEAS1:IL1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR151            |                   |        |        | HR150 (Lo-16bits)              |
| HR152            | MEAS1:IL1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR153            |                   |        |        | HR152 (Lo-16bits)              |
| HR154            | MEAS1:IL1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR155            |                   |        |        | HR154 (Lo-16bits)              |
| HR156            | MEAS1:IL1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR157            |                   |        |        | HR156 (Lo-16bits)              |
| HR158            | MEAS1:IL1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR159            |                   |        |        | HR158 (Lo-16bits)              |
| HR160            | MEAS1:IL1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR161            |                   |        |        | HR160 (Lo-16bits)              |
| HR162            | MEAS1:IL1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR163            |                   |        |        | HR162 (Lo-16bits)              |
| HR164            | MEAS1:IL2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR165            |                   |        |        | HR164 (Lo-16bits)              |
| HR166            | MEAS1:IL2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR167            |                   |        |        | HR166 (Lo-16bits)              |
| HR168            | MEAS1:IL2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR169            |                   |        |        | HR168 (Lo-16bits)              |
| HR170            | MEAS1:IL2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR171            |                   |        |        | HR170 (Lo-16bits)              |
| HR172            | MEAS1:IL2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR173            |                   |        |        | HR172 (Lo-16bits)              |
| HR174            | MEAS1:IL2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR175            |                   |        |        | HR174 (Lo-16bits)              |
| HR176            | MEAS1:IL2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR177            |                   |        |        | HR176 (Lo-16bits)              |
| HR178            | MEAS1:IL2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR179            |                   |        |        | HR178 (Lo-16bits)              |
| HR180            | MEAS1:IL2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR181            |                   |        |        | HR180 (Lo-16bits)              |
| HR182            | MEAS1:IL2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR183            |                   |        |        | HR182 (Lo-16bits)              |
| HR184            | MEAS1:IL2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR185            |                   |        |        | HR184 (Lo-16bits)              |
| HR186            | MEAS1:IL2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR187            |                   |        |        | HR186 (Lo-16bits)              |
| HR188            | MEAS1:IL2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR189            |                   |        |        | HR188 (Lo-16bits)              |
| HR190            | MEAS1:IL2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR191            |                   |        |        | HR190 (Lo-16bits)              |
| HR192            | MEAS1:IL2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR193            |                   |        |        | HR192 (Lo-16bits)              |
| HR194            | MEAS1:IL2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR195            |                   |        |        | HR194 (Lo-16bits)              |
| HR196            | MEAS1:IL2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR197            |                   |        |        | HR196 (Lo-16bits)              |
| HR198            | MEAS1:IL2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR199            |                   |        |        | HR198 (Lo-16bits)              |
| HR200            | MEAS1:IL2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR201            |                   |        |        | HR200 (Lo-16bits)              |
| HR202            | MEAS1:IL2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR203            |                   |        |        | HR202 (Lo-16bits)              |
| HR204            | MEAS1:IL2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR205            |                   |        |        | HR204 (Lo-16bits)              |
| HR206            | MEAS1:IL2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR207            |                   |        |        | HR206 (Lo-16bits)              |
| HR208            | MEAS1:IL2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR209            |                   |        |        | HR208 (Lo-16bits)              |
| HR210            | MEAS1:IL2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR211            |                   |        |        | HR210 (Lo-16bits)              |
| HR212            | MEAS1:IL2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR213            |                   |        |        | HR212 (Lo-16bits)              |
| HR214            | MEAS1:IL2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR215            |                   |        |        | HR214 (Lo-16bits)              |
| HR216            | MEAS1:IL2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR217            |                   |        |        | HR216 (Lo-16bits)              |
| HR218            | MEAS1:IL2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR219            |                   |        |        | HR218 (Lo-16bits)              |
| HR220            | MEAS1:IL2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR221            |                   |        |        | HR220 (Lo-16bits)              |
| HR222            | MEAS1:IL2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR223            |                   |        |        | HR222 (Lo-16bits)              |
| HR224            | MEAS1:IL2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR225            |                   |        |        | HR224 (Lo-16bits)              |
| HR226            | MEAS1:IL3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR227            |                   |        |        | HR226 (Lo-16bits)              |
| HR228            | MEAS1:IL3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR229            |                   |        |        | HR228 (Lo-16bits)              |
| HR230            | MEAS1:IL3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR231            |                   |        |        | HR230 (Lo-16bits)              |
| HR232            | MEAS1:IL3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR233            |                   |        |        | HR232 (Lo-16bits)              |
| HR234            | MEAS1:IL3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR235            |                   |        |        | HR234 (Lo-16bits)              |
| HR236            | MEAS1:IL3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR237            |                   |        |        | HR236 (Lo-16bits)              |
| HR238            | MEAS1:IL3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR239            |                   |        |        | HR238 (Lo-16bits)              |
| HR240            | MEAS1:IL3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR241            |                   |        |        | HR240 (Lo-16bits)              |
| HR242            | MEAS1:IL3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR243            |                   |        |        | HR242 (Lo-16bits)              |
| HR244            | MEAS1:IL3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR245            |                   |        |        | HR244 (Lo-16bits)              |
| HR246            | MEAS1:IL3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR247            |                   |        |        | HR246 (Lo-16bits)              |
| HR248            | MEAS1:IL3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR249            |                   |        |        | HR248 (Lo-16bits)              |
| HR250            | MEAS1:IL3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR251            |                   |        |        | HR250 (Lo-16bits)              |
| HR252            | MEAS1:IL3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR253            |                   |        |        | HR252 (Lo-16bits)              |
| HR254            | MEAS1:IL3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR255            |                   |        |        | HR254 (Lo-16bits)              |
| HR256            | MEAS1:IL3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR257            |                   |        |        | HR256 (Lo-16bits)              |
| HR258            | MEAS1:IL3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR259            |                   |        |        | HR258 (Lo-16bits)              |
| HR260            | MEAS1:IL3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR261            |                   |        |        | HR260 (Lo-16bits)              |
| HR262            | MEAS1:IL3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR263            |                   |        |        | HR262 (Lo-16bits)              |
| HR264            | MEAS1:IL3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR265            |                   |        |        | HR264 (Lo-16bits)              |
| HR266            | MEAS1:IL3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR267            |                   |        |        | HR266 (Lo-16bits)              |
| HR268            | MEAS1:IL3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR269            |                   |        |        | HR268 (Lo-16bits)              |
| HR270            | MEAS1:IL3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR271            |                   |        |        | HR270 (Lo-16bits)              |
| HR272            | MEAS1:IL3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR273            |                   |        |        | HR272 (Lo-16bits)              |
| HR274            | MEAS1:IL3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |



| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR275            |                   |        |        | HR274 (Lo-16bits)              |
| HR276            | MEAS1:IL3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR277            |                   |        |        | HR276 (Lo-16bits)              |
| HR278            | MEAS1:IL3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR279            |                   |        |        | HR278 (Lo-16bits)              |
| HR280            | MEAS1:IL3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR281            |                   |        |        | HR280 (Lo-16bits)              |
| HR282            | MEAS1:IL3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR283            |                   |        |        | HR282 (Lo-16bits)              |
| HR284            | MEAS1:IL3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR285            |                   |        |        | HR284 (Lo-16bits)              |
| HR286            | MEAS1:IL3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR287            |                   |        |        | HR286 (Lo-16bits)              |
| HR288            | MEAS1:I01 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR289            |                   |        |        | HR288 (Lo-16bits)              |
| HR290            | MEAS1:I01 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR291            |                   |        |        | HR290 (Lo-16bits)              |
| HR292            | MEAS1:I01 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR293            |                   |        |        | HR292 (Lo-16bits)              |
| HR294            | MEAS1:I01 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR295            |                   |        |        | HR294 (Lo-16bits)              |
| HR296            | MEAS1:I01 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR297            |                   |        |        | HR296 (Lo-16bits)              |
| HR298            | MEAS1:I01 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR299            |                   |        |        | HR298 (Lo-16bits)              |
| HR300            | MEAS1:I01 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR301            |                   |        |        | HR300 (Lo-16bits)              |
| HR302            | MEAS1:I01 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR303            |                   |        |        | HR302 (Lo-16bits)              |
| HR304            | MEAS1:I01 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR305            |                   |        |        | HR304 (Lo-16bits)              |
| HR306            | MEAS1:I01 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR307            |                   |        |        | HR306 (Lo-16bits)              |
| HR308            | MEAS1:I01 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR309            |                   |        |        | HR308 (Lo-16bits)              |
| HR310            | MEAS1:I01 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR311            |                   |        |        | HR310 (Lo-16bits)              |
| HR312            | MEAS1:I01 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR313            |                   |        |        | HR312 (Lo-16bits)              |
| HR314            | MEAS1:I01 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR315            |                   |        |        | HR314 (Lo-16bits)              |
| HR316            | MEAS1:I01 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR317            |                   |        |        | HR316 (Lo-16bits)              |
| HR318            | MEAS1:I01 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR319            |                   |        |        | HR318 (Lo-16bits)              |
| HR320            | MEAS1:I01 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR321            |                   |        |        | HR320 (Lo-16bits)              |
| HR322            | MEAS1:I01 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR323            |                   |        |        | HR322 (Lo-16bits)              |
| HR324            | MEAS1:I01 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR325            |                   |        |        | HR324 (Lo-16bits)              |
| HR326            | MEAS1:I01 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR327            |                   |        |        | HR326 (Lo-16bits)              |
| HR328            | MEAS1:I01 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR329            |                   |        |        | HR328 (Lo-16bits)              |
| HR330            | MEAS1:I01 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR331            |                   |        |        | HR330 (Lo-16bits)              |
| HR332            | MEAS1:I01 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR333            |                   |        |        | HR332 (Lo-16bits)              |
| HR334            | MEAS1:I01 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR335            |                   |        |        | HR334 (Lo-16bits)              |
| HR336            | MEAS1:I01 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR337            |                   |        |        | HR336 (Lo-16bits)              |
| HR338            | MEAS1:I01 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR339            |                   |        |        | HR338 (Lo-16bits)              |
| HR340            | MEAS1:I01 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR341            |                   |        |        | HR340 (Lo-16bits)              |
| HR342            | MEAS1:I01 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR343            |                   |        |        | HR342 (Lo-16bits)              |
| HR344            | MEAS1:I01 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR345            |                   |        |        | HR344 (Lo-16bits)              |
| HR346            | MEAS1:I01 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR347            |                   |        |        | HR346 (Lo-16bits)              |
| HR348            | MEAS1:I01 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR349            |                   |        |        | HR348 (Lo-16bits)              |
| HR350            | MEAS1:I02 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR351            |                   |        |        | HR350 (Lo-16bits)              |
| HR352            | MEAS1:I02 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR353            |                   |        |        | HR352 (Lo-16bits)              |
| HR354            | MEAS1:I02 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR355            |                   |        |        | HR354 (Lo-16bits)              |
| HR356            | MEAS1:I02 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR357            |                   |        |        | HR356 (Lo-16bits)              |
| HR358            | MEAS1:I02 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR359            |                   |        |        | HR358 (Lo-16bits)              |
| HR360            | MEAS1:I02 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR361            |                   |        |        | HR360 (Lo-16bits)              |
| HR362            | MEAS1:I02 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR363            |                   |        |        | HR362 (Lo-16bits)              |
| HR364            | MEAS1:I02 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR365            |                   |        |        | HR364 (Lo-16bits)              |
| HR366            | MEAS1:I02 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR367            |                   |        |        | HR366 (Lo-16bits)              |
| HR368            | MEAS1:I02 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR369            |                   |        |        | HR368 (Lo-16bits)              |
| HR370            | MEAS1:I02 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR371            |                   |        |        | HR370 (Lo-16bits)              |
| HR372            | MEAS1:I02 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR373            |                   |        |        | HR372 (Lo-16bits)              |
| HR374            | MEAS1:I02 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR375            |                   |        |        | HR374 (Lo-16bits)              |
| HR376            | MEAS1:I02 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR377            |                   |        |        | HR376 (Lo-16bits)              |
| HR378            | MEAS1:I02 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR379            |                   |        |        | HR378 (Lo-16bits)              |
| HR380            | MEAS1:I02 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR381            |                   |        |        | HR380 (Lo-16bits)              |
| HR382            | MEAS1:I02 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR383            |                   |        |        | HR382 (Lo-16bits)              |
| HR384            | MEAS1:I02 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR385            |                   |        |        | HR384 (Lo-16bits)              |
| HR386            | MEAS1:I02 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR387            |                   |        |        | HR386 (Lo-16bits)              |
| HR388            | MEAS1:I02 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR389            |                   |        |        | HR388 (Lo-16bits)              |
| HR390            | MEAS1:I02 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR391            |                   |        |        | HR390 (Lo-16bits)              |
| HR392            | MEAS1:I02 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR393            |                   |        |        | HR392 (Lo-16bits)              |
| HR394            | MEAS1:I02 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                                |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR395            |                         |        |        | HR394 (Lo-16bits)              |
| HR396            | MEAS1:I02 24.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR397            |                         |        |        | HR396 (Lo-16bits)              |
| HR398            | MEAS1:I02 25.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR399            |                         |        |        | HR398 (Lo-16bits)              |
| HR400            | MEAS1:I02 26.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR401            |                         |        |        | HR400 (Lo-16bits)              |
| HR402            | MEAS1:I02 27.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR403            |                         |        |        | HR402 (Lo-16bits)              |
| HR404            | MEAS1:I02 28.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR405            |                         |        |        | HR404 (Lo-16bits)              |
| HR406            | MEAS1:I02 29.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR407            |                         |        |        | HR406 (Lo-16bits)              |
| HR408            | MEAS1:I02 30.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR409            |                         |        |        | HR408 (Lo-16bits)              |
| HR410            | MEAS1:I02 31.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR411            |                         |        |        | HR410 (Lo-16bits)              |
| HR412            | MEAS2:Pri.Pha.curr.I"L1 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR413            |                         |        |        | HR412 (Lo-16bits)              |
| HR414            | MEAS2:Pri.Pha.curr.I"L2 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR415            |                         |        |        | HR414 (Lo-16bits)              |
| HR416            | MEAS2:Pri.Pha.curr.I"L3 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR417            |                         |        |        | HR416 (Lo-16bits)              |
| HR418            | MEAS2:Pha.angle I"L1    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR419            |                         |        |        | HR418 (Lo-16bits)              |
| HR420            | MEAS2:Pha.angle I"L2    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR421            |                         |        |        | HR420 (Lo-16bits)              |
| HR422            | MEAS2:Pha.angle I"L3    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR423            |                         |        |        | HR422 (Lo-16bits)              |
| HR424            | MEAS2:Pri.Res.curr.I"01 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR425            |                              |        |        | HR424 (Lo-16bits)              |
| HR426            | MEAS2:Res.curr.angle I"01    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR427            |                              |        |        | HR426 (Lo-16bits)              |
| HR428            | MEAS2:Pri.Res.curr.I"02      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR429            |                              |        |        | HR428 (Lo-16bits)              |
| HR430            | MEAS2:Res.curr.angle I"02    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR431            |                              |        |        | HR430 (Lo-16bits)              |
| HR432            | MEAS2:Pri.calc.I"0           | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR433            |                              |        |        | HR432 (Lo-16bits)              |
| HR434            | MEAS2:calc.I"0 Pha.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR435            |                              |        |        | HR434 (Lo-16bits)              |
| HR436            | MEAS2:Pha.curr.I"L1 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR437            |                              |        |        | HR436 (Lo-16bits)              |
| HR438            | MEAS2:Pha.curr.I"L2 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR439            |                              |        |        | HR438 (Lo-16bits)              |
| HR440            | MEAS2:Pha.curr.I"L3 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR441            |                              |        |        | HR440 (Lo-16bits)              |
| HR442            | MEAS2:I" Pri.Pos.seq.curr.   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR443            |                              |        |        | HR442 (Lo-16bits)              |
| HR444            | MEAS2:I" Pri.Neg.seq.curr.   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR445            |                              |        |        | HR444 (Lo-16bits)              |
| HR446            | MEAS2:I" Pri.Zero seq.curr.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR447            |                              |        |        | HR446 (Lo-16bits)              |
| HR448            | MEAS2:I" Pos.seq.curr.angle  | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR449            |                              |        |        | HR448 (Lo-16bits)              |
| HR450            | MEAS2:I" Neg.seq.curr.angle  | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR451            |                              |        |        | HR450 (Lo-16bits)              |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR452            | MEAS2:I" Zero seq.curr.angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR453            |                              |        |        | HR452 (Lo-16bits)              |
| HR454            | MEAS2:Res.curr.I"01 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR455            |                              |        |        | HR454 (Lo-16bits)              |
| HR456            | MEAS2:Res.curr.I"02 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR457            |                              |        |        | HR456 (Lo-16bits)              |
| HR458            | MEAS2:Pha.I"L1 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR459            |                              |        |        | HR458 (Lo-16bits)              |
| HR460            | MEAS2:Pha.I"L1 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR461            |                              |        |        | HR460 (Lo-16bits)              |
| HR462            | MEAS2:Pha.I"L2 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR463            |                              |        |        | HR462 (Lo-16bits)              |
| HR464            | MEAS2:Pha.I"L2 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR465            |                              |        |        | HR464 (Lo-16bits)              |
| HR466            | MEAS2:Pha.I"L3 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR467            |                              |        |        | HR466 (Lo-16bits)              |
| HR468            | MEAS2:Pha.I"L3 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR469            |                              |        |        | HR468 (Lo-16bits)              |
| HR470            | MEAS2:Res.I"01 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR471            |                              |        |        | HR470 (Lo-16bits)              |
| HR472            | MEAS2:Res.I"01 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR473            |                              |        |        | HR472 (Lo-16bits)              |
| HR474            | MEAS2:Res.I"02 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR475            |                              |        |        | HR474 (Lo-16bits)              |
| HR476            | MEAS2:Res.I"02 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR477            |                              |        |        | HR476 (Lo-16bits)              |

| Holding Register | Parameter           | Access | Length |                                |
|------------------|---------------------|--------|--------|--------------------------------|
| HR478            | MEAS2:P-P curr.I"L1 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR479            |                     |        |        | HR478 (Lo-16bits)              |
| HR480            | MEAS2:P-P curr.I"L2 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR481            |                     |        |        | HR480 (Lo-16bits)              |
| HR482            | MEAS2:P-P curr.I"L3 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR483            |                     |        |        | HR482 (Lo-16bits)              |
| HR484            | MEAS2:P-P curr.I"01 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR485            |                     |        |        | HR484 (Lo-16bits)              |
| HR486            | MEAS2:P-P curr.I"02 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR487            |                     |        |        | HR486 (Lo-16bits)              |
| HR488            | MEAS2:I"L1 Fund     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR489            |                     |        |        | HR488 (Lo-16bits)              |
| HR490            | MEAS2:I"L1 2.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR491            |                     |        |        | HR490 (Lo-16bits)              |
| HR492            | MEAS2:I"L1 3.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR493            |                     |        |        | HR492 (Lo-16bits)              |
| HR494            | MEAS2:I"L1 4.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR495            |                     |        |        | HR494 (Lo-16bits)              |
| HR496            | MEAS2:I"L1 5.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR497            |                     |        |        | HR496 (Lo-16bits)              |
| HR498            | MEAS2:I"L1 6.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR499            |                     |        |        | HR498 (Lo-16bits)              |
| HR500            | MEAS2:I"L1 7.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR501            |                     |        |        | HR500 (Lo-16bits)              |
| HR502            | MEAS2:I"L1 8.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR503            |                     |        |        | HR502 (Lo-16bits)              |
| HR504            | MEAS2:I"L1 9.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR505            |                     |        |        | HR504 (Lo-16bits)              |
| HR506            | MEAS2:I"L1 10.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR507            |                     |        |        | HR506 (Lo-16bits)              |



| Holding Register | Parameter                       | Access | Length |                                |
|------------------|---------------------------------|--------|--------|--------------------------------|
| HR508            | MEAS2:I <sup>L</sup> L1 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR509            |                                 |        |        | HR508 (Lo-16bits)              |
| HR510            | MEAS2:I <sup>L</sup> L1 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR511            |                                 |        |        | HR510 (Lo-16bits)              |
| HR512            | MEAS2:I <sup>L</sup> L1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR513            |                                 |        |        | HR512 (Lo-16bits)              |
| HR514            | MEAS2:I <sup>L</sup> L1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR515            |                                 |        |        | HR514 (Lo-16bits)              |
| HR516            | MEAS2:I <sup>L</sup> L1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR517            |                                 |        |        | HR516 (Lo-16bits)              |
| HR518            | MEAS2:I <sup>L</sup> L1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR519            |                                 |        |        | HR518 (Lo-16bits)              |
| HR520            | MEAS2:I <sup>L</sup> L1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR521            |                                 |        |        | HR520 (Lo-16bits)              |
| HR522            | MEAS2:I <sup>L</sup> L1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR523            |                                 |        |        | HR522 (Lo-16bits)              |
| HR524            | MEAS2:I <sup>L</sup> L1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR525            |                                 |        |        | HR524 (Lo-16bits)              |
| HR526            | MEAS2:I <sup>L</sup> L1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR527            |                                 |        |        | HR526 (Lo-16bits)              |
| HR528            | MEAS2:I <sup>L</sup> L1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR529            |                                 |        |        | HR528 (Lo-16bits)              |
| HR530            | MEAS2:I <sup>L</sup> L1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR531            |                                 |        |        | HR530 (Lo-16bits)              |
| HR532            | MEAS2:I <sup>L</sup> L1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR533            |                                 |        |        | HR532 (Lo-16bits)              |
| HR534            | MEAS2:I <sup>L</sup> L1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR535            |                                 |        |        | HR534 (Lo-16bits)              |
| HR536            | MEAS2:I <sup>L</sup> L1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR537            |                                 |        |        | HR536 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR538            | MEAS2:I"L1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR539            |                    |        |        | HR538 (Lo-16bits)              |
| HR540            | MEAS2:I"L1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR541            |                    |        |        | HR540 (Lo-16bits)              |
| HR542            | MEAS2:I"L1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR543            |                    |        |        | HR542 (Lo-16bits)              |
| HR544            | MEAS2:I"L1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR545            |                    |        |        | HR544 (Lo-16bits)              |
| HR546            | MEAS2:I"L1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR547            |                    |        |        | HR546 (Lo-16bits)              |
| HR548            | MEAS2:I"L1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR549            |                    |        |        | HR548 (Lo-16bits)              |
| HR550            | MEAS2:I"L2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR551            |                    |        |        | HR550 (Lo-16bits)              |
| HR552            | MEAS2:I"L2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR553            |                    |        |        | HR552 (Lo-16bits)              |
| HR554            | MEAS2:I"L2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR555            |                    |        |        | HR554 (Lo-16bits)              |
| HR556            | MEAS2:I"L2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR557            |                    |        |        | HR556 (Lo-16bits)              |
| HR558            | MEAS2:I"L2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR559            |                    |        |        | HR558 (Lo-16bits)              |
| HR560            | MEAS2:I"L2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR561            |                    |        |        | HR560 (Lo-16bits)              |
| HR562            | MEAS2:I"L2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR563            |                    |        |        | HR562 (Lo-16bits)              |
| HR564            | MEAS2:I"L2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR565            |                    |        |        | HR564 (Lo-16bits)              |
| HR566            | MEAS2:I"L2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR567            |                    |        |        | HR566 (Lo-16bits)              |

| Holding Register | Parameter                       | Access | Length |                                |
|------------------|---------------------------------|--------|--------|--------------------------------|
| HR568            | MEAS2:I <sup>2</sup> L2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR569            |                                 |        |        | HR568 (Lo-16bits)              |
| HR570            | MEAS2:I <sup>2</sup> L2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR571            |                                 |        |        | HR570 (Lo-16bits)              |
| HR572            | MEAS2:I <sup>2</sup> L2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR573            |                                 |        |        | HR572 (Lo-16bits)              |
| HR574            | MEAS2:I <sup>2</sup> L2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR575            |                                 |        |        | HR574 (Lo-16bits)              |
| HR576            | MEAS2:I <sup>2</sup> L2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR577            |                                 |        |        | HR576 (Lo-16bits)              |
| HR578            | MEAS2:I <sup>2</sup> L2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR579            |                                 |        |        | HR578 (Lo-16bits)              |
| HR580            | MEAS2:I <sup>2</sup> L2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR581            |                                 |        |        | HR580 (Lo-16bits)              |
| HR582            | MEAS2:I <sup>2</sup> L2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR583            |                                 |        |        | HR582 (Lo-16bits)              |
| HR584            | MEAS2:I <sup>2</sup> L2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR585            |                                 |        |        | HR584 (Lo-16bits)              |
| HR586            | MEAS2:I <sup>2</sup> L2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR587            |                                 |        |        | HR586 (Lo-16bits)              |
| HR588            | MEAS2:I <sup>2</sup> L2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR589            |                                 |        |        | HR588 (Lo-16bits)              |
| HR590            | MEAS2:I <sup>2</sup> L2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR591            |                                 |        |        | HR590 (Lo-16bits)              |
| HR592            | MEAS2:I <sup>2</sup> L2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR593            |                                 |        |        | HR592 (Lo-16bits)              |
| HR594            | MEAS2:I <sup>2</sup> L2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR595            |                                 |        |        | HR594 (Lo-16bits)              |
| HR596            | MEAS2:I <sup>2</sup> L2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR597            |                                 |        |        | HR596 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR598            | MEAS2:I"L2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR599            |                    |        |        | HR598 (Lo-16bits)              |
| HR600            | MEAS2:I"L2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR601            |                    |        |        | HR600 (Lo-16bits)              |
| HR602            | MEAS2:I"L2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR603            |                    |        |        | HR602 (Lo-16bits)              |
| HR604            | MEAS2:I"L2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR605            |                    |        |        | HR604 (Lo-16bits)              |
| HR606            | MEAS2:I"L2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR607            |                    |        |        | HR606 (Lo-16bits)              |
| HR608            | MEAS2:I"L2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR609            |                    |        |        | HR608 (Lo-16bits)              |
| HR610            | MEAS2:I"L2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR611            |                    |        |        | HR610 (Lo-16bits)              |
| HR612            | MEAS2:I"L3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR613            |                    |        |        | HR612 (Lo-16bits)              |
| HR614            | MEAS2:I"L3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR615            |                    |        |        | HR614 (Lo-16bits)              |
| HR616            | MEAS2:I"L3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR617            |                    |        |        | HR616 (Lo-16bits)              |
| HR618            | MEAS2:I"L3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR619            |                    |        |        | HR618 (Lo-16bits)              |
| HR620            | MEAS2:I"L3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR621            |                    |        |        | HR620 (Lo-16bits)              |
| HR622            | MEAS2:I"L3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR623            |                    |        |        | HR622 (Lo-16bits)              |
| HR624            | MEAS2:I"L3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR625            |                    |        |        | HR624 (Lo-16bits)              |
| HR626            | MEAS2:I"L3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR627            |                    |        |        | HR626 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR628            | MEAS2:I"L3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR629            |                    |        |        | HR628 (Lo-16bits)              |
| HR630            | MEAS2:I"L3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR631            |                    |        |        | HR630 (Lo-16bits)              |
| HR632            | MEAS2:I"L3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR633            |                    |        |        | HR632 (Lo-16bits)              |
| HR634            | MEAS2:I"L3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR635            |                    |        |        | HR634 (Lo-16bits)              |
| HR636            | MEAS2:I"L3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR637            |                    |        |        | HR636 (Lo-16bits)              |
| HR638            | MEAS2:I"L3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR639            |                    |        |        | HR638 (Lo-16bits)              |
| HR640            | MEAS2:I"L3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR641            |                    |        |        | HR640 (Lo-16bits)              |
| HR642            | MEAS2:I"L3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR643            |                    |        |        | HR642 (Lo-16bits)              |
| HR644            | MEAS2:I"L3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR645            |                    |        |        | HR644 (Lo-16bits)              |
| HR646            | MEAS2:I"L3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR647            |                    |        |        | HR646 (Lo-16bits)              |
| HR648            | MEAS2:I"L3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR649            |                    |        |        | HR648 (Lo-16bits)              |
| HR650            | MEAS2:I"L3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR651            |                    |        |        | HR650 (Lo-16bits)              |
| HR652            | MEAS2:I"L3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR653            |                    |        |        | HR652 (Lo-16bits)              |
| HR654            | MEAS2:I"L3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR655            |                    |        |        | HR654 (Lo-16bits)              |
| HR656            | MEAS2:I"L3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR657            |                    |        |        | HR656 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR658            | MEAS2:I"L3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR659            |                    |        |        | HR658 (Lo-16bits)              |
| HR660            | MEAS2:I"L3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR661            |                    |        |        | HR660 (Lo-16bits)              |
| HR662            | MEAS2:I"L3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR663            |                    |        |        | HR662 (Lo-16bits)              |
| HR664            | MEAS2:I"L3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR665            |                    |        |        | HR664 (Lo-16bits)              |
| HR666            | MEAS2:I"L3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR667            |                    |        |        | HR666 (Lo-16bits)              |
| HR668            | MEAS2:I"L3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR669            |                    |        |        | HR668 (Lo-16bits)              |
| HR670            | MEAS2:I"L3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR671            |                    |        |        | HR670 (Lo-16bits)              |
| HR672            | MEAS2:I"L3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR673            |                    |        |        | HR672 (Lo-16bits)              |
| HR674            | MEAS2:I"01 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR675            |                    |        |        | HR674 (Lo-16bits)              |
| HR676            | MEAS2:I"01 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR677            |                    |        |        | HR676 (Lo-16bits)              |
| HR678            | MEAS2:I"01 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR679            |                    |        |        | HR678 (Lo-16bits)              |
| HR680            | MEAS2:I"01 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR681            |                    |        |        | HR680 (Lo-16bits)              |
| HR682            | MEAS2:I"01 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR683            |                    |        |        | HR682 (Lo-16bits)              |
| HR684            | MEAS2:I"01 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR685            |                    |        |        | HR684 (Lo-16bits)              |
| HR686            | MEAS2:I"01 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR687            |                    |        |        | HR686 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR688            | MEAS2:I"01 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR689            |                    |        |        | HR688 (Lo-16bits)              |
| HR690            | MEAS2:I"01 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR691            |                    |        |        | HR690 (Lo-16bits)              |
| HR692            | MEAS2:I"01 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR693            |                    |        |        | HR692 (Lo-16bits)              |
| HR694            | MEAS2:I"01 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR695            |                    |        |        | HR694 (Lo-16bits)              |
| HR696            | MEAS2:I"01 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR697            |                    |        |        | HR696 (Lo-16bits)              |
| HR698            | MEAS2:I"01 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR699            |                    |        |        | HR698 (Lo-16bits)              |
| HR700            | MEAS2:I"01 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR701            |                    |        |        | HR700 (Lo-16bits)              |
| HR702            | MEAS2:I"01 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR703            |                    |        |        | HR702 (Lo-16bits)              |
| HR704            | MEAS2:I"01 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR705            |                    |        |        | HR704 (Lo-16bits)              |
| HR706            | MEAS2:I"01 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR707            |                    |        |        | HR706 (Lo-16bits)              |
| HR708            | MEAS2:I"01 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR709            |                    |        |        | HR708 (Lo-16bits)              |
| HR710            | MEAS2:I"01 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR711            |                    |        |        | HR710 (Lo-16bits)              |
| HR712            | MEAS2:I"01 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR713            |                    |        |        | HR712 (Lo-16bits)              |
| HR714            | MEAS2:I"01 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR715            |                    |        |        | HR714 (Lo-16bits)              |
| HR716            | MEAS2:I"01 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR717            |                    |        |        | HR716 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR718            | MEAS2:I"01 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR719            |                    |        |        | HR718 (Lo-16bits)              |
| HR720            | MEAS2:I"01 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR721            |                    |        |        | HR720 (Lo-16bits)              |
| HR722            | MEAS2:I"01 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR723            |                    |        |        | HR722 (Lo-16bits)              |
| HR724            | MEAS2:I"01 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR725            |                    |        |        | HR724 (Lo-16bits)              |
| HR726            | MEAS2:I"01 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR727            |                    |        |        | HR726 (Lo-16bits)              |
| HR728            | MEAS2:I"01 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR729            |                    |        |        | HR728 (Lo-16bits)              |
| HR730            | MEAS2:I"01 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR731            |                    |        |        | HR730 (Lo-16bits)              |
| HR732            | MEAS2:I"01 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR733            |                    |        |        | HR732 (Lo-16bits)              |
| HR734            | MEAS2:I"01 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR735            |                    |        |        | HR734 (Lo-16bits)              |
| HR736            | MEAS2:I"02 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR737            |                    |        |        | HR736 (Lo-16bits)              |
| HR738            | MEAS2:I"02 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR739            |                    |        |        | HR738 (Lo-16bits)              |
| HR740            | MEAS2:I"02 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR741            |                    |        |        | HR740 (Lo-16bits)              |
| HR742            | MEAS2:I"02 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR743            |                    |        |        | HR742 (Lo-16bits)              |
| HR744            | MEAS2:I"02 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR745            |                    |        |        | HR744 (Lo-16bits)              |
| HR746            | MEAS2:I"02 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR747            |                    |        |        | HR746 (Lo-16bits)              |



| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR748            | MEAS2:I"02 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR749            |                    |        |        | HR748 (Lo-16bits)              |
| HR750            | MEAS2:I"02 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR751            |                    |        |        | HR750 (Lo-16bits)              |
| HR752            | MEAS2:I"02 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR753            |                    |        |        | HR752 (Lo-16bits)              |
| HR754            | MEAS2:I"02 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR755            |                    |        |        | HR754 (Lo-16bits)              |
| HR756            | MEAS2:I"02 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR757            |                    |        |        | HR756 (Lo-16bits)              |
| HR758            | MEAS2:I"02 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR759            |                    |        |        | HR758 (Lo-16bits)              |
| HR760            | MEAS2:I"02 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR761            |                    |        |        | HR760 (Lo-16bits)              |
| HR762            | MEAS2:I"02 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR763            |                    |        |        | HR762 (Lo-16bits)              |
| HR764            | MEAS2:I"02 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR765            |                    |        |        | HR764 (Lo-16bits)              |
| HR766            | MEAS2:I"02 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR767            |                    |        |        | HR766 (Lo-16bits)              |
| HR768            | MEAS2:I"02 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR769            |                    |        |        | HR768 (Lo-16bits)              |
| HR770            | MEAS2:I"02 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR771            |                    |        |        | HR770 (Lo-16bits)              |
| HR772            | MEAS2:I"02 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR773            |                    |        |        | HR772 (Lo-16bits)              |
| HR774            | MEAS2:I"02 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR775            |                    |        |        | HR774 (Lo-16bits)              |
| HR776            | MEAS2:I"02 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR777            |                    |        |        | HR776 (Lo-16bits)              |

| Holding Register | Parameter          | Access | Length |                                 |
|------------------|--------------------|--------|--------|---------------------------------|
| HR778            | MEAS2:I"02 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR779            |                    |        |        | HR778 (Lo-16bits)               |
| HR780            | MEAS2:I"02 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR781            |                    |        |        | HR780 (Lo-16bits)               |
| HR782            | MEAS2:I"02 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR783            |                    |        |        | HR782 (Lo-16bits)               |
| HR784            | MEAS2:I"02 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR785            |                    |        |        | HR784 (Lo-16bits)               |
| HR786            | MEAS2:I"02 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR787            |                    |        |        | HR786 (Lo-16bits)               |
| HR788            | MEAS2:I"02 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR789            |                    |        |        | HR788 (Lo-16bits)               |
| HR790            | MEAS2:I"02 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR791            |                    |        |        | HR790 (Lo-16bits)               |
| HR792            | MEAS2:I"02 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR793            |                    |        |        | HR792 (Lo-16bits)               |
| HR794            | MEAS2:I"02 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR795            |                    |        |        | HR794 (Lo-16bits)               |
| HR796            | MEAS2:I"02 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR797            |                    |        |        | HR796 (Lo-16bits)               |
| HR798            | MEAS3:U1Volt pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR799            |                    |        |        | HR798 (Lo-16bits)               |
| HR800            | MEAS3:U1Volt sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR801            |                    |        |        | HR800 (Lo-16bits)               |
| HR802            | MEAS3:U2Volt pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR803            |                    |        |        | HR802 (Lo-16bits)               |
| HR804            | MEAS3:U2Volt sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR805            |                    |        |        | HR804 (Lo-16bits)               |
| HR806            | MEAS3:U3Volt pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR807            |                    |        |        | HR806 (Lo-16bits)               |

| Holding Register | Parameter              | Access | Length |                                 |
|------------------|------------------------|--------|--------|---------------------------------|
| HR808            | MEAS3:U3Volt sec       | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR809            |                        |        |        | HR808 (Lo-16bits)               |
| HR810            | MEAS3:U4Volt pri       | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR811            |                        |        |        | HR810 (Lo-16bits)               |
| HR812            | MEAS3:U4Volt sec       | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR813            |                        |        |        | HR812 (Lo-16bits)               |
| HR814            | MEAS3:U1Volt TRMS pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR815            |                        |        |        | HR814 (Lo-16bits)               |
| HR816            | MEAS3:U1Volt TRMS sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR817            |                        |        |        | HR816 (Lo-16bits)               |
| HR818            | MEAS3:U2Volt TRMS pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR819            |                        |        |        | HR818 (Lo-16bits)               |
| HR820            | MEAS3:U2Volt TRMS sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR821            |                        |        |        | HR820 (Lo-16bits)               |
| HR822            | MEAS3:U3Volt TRMS pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR823            |                        |        |        | HR822 (Lo-16bits)               |
| HR824            | MEAS3:U3Volt TRMS sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR825            |                        |        |        | HR824 (Lo-16bits)               |
| HR826            | MEAS3:U4Volt TRMS pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR827            |                        |        |        | HR826 (Lo-16bits)               |
| HR828            | MEAS3:U4Volt TRMS sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR829            |                        |        |        | HR828 (Lo-16bits)               |
| HR830            | MEAS3:Pos.seq.Volt.pri | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR831            |                        |        |        | HR830 (Lo-16bits)               |
| HR832            | MEAS3:Pos.seq.Volt.sec | R      | 2      | FLOAT [0...480] (Hi-16bits)     |
| HR833            |                        |        |        | HR832 (Lo-16bits)               |
| HR834            | MEAS3:Neg.seq.Volt.pri | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR835            |                        |        |        | HR834 (Lo-16bits)               |
| HR836            | MEAS3:Neg.seq.Volt.sec | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR837            |                        |        |        | HR836 (Lo-16bits)               |

| Holding Register | Parameter                      | Access | Length |                                 |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR838            | MEAS3:Zero.seq.Volt.pri        | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR839            |                                |        |        | HR838 (Lo-16bits)               |
| HR840            | MEAS3:Zero.seq.Volt.sec        | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR841            |                                |        |        | HR840 (Lo-16bits)               |
| HR842            | MEAS3:U0 Calc. pri             | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR843            |                                |        |        | HR842 (Lo-16bits)               |
| HR844            | MEAS3:U0 Calc.Volt sec         | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR845            |                                |        |        | HR844 (Lo-16bits)               |
| HR846            | MEAS3:U1 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR847            |                                |        |        | HR846 (Lo-16bits)               |
| HR848            | MEAS3:U2 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR849            |                                |        |        | HR848 (Lo-16bits)               |
| HR850            | MEAS3:U3 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR851            |                                |        |        | HR850 (Lo-16bits)               |
| HR852            | MEAS3:U4 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR853            |                                |        |        | HR852 (Lo-16bits)               |
| HR854            | MEAS3:Pos.Seq.volt.Angle       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR855            |                                |        |        | HR854 (Lo-16bits)               |
| HR856            | MEAS3:Neg.Seq.volt.Angle       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR857            |                                |        |        | HR856 (Lo-16bits)               |
| HR858            | MEAS3:Zero.Seq.volt.Angle      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR859            |                                |        |        | HR858 (Lo-16bits)               |
| HR860            | MEAS3:System volt UL12 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR861            |                                |        |        | HR860 (Lo-16bits)               |
| HR862            | MEAS3:System volt UL12 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR863            |                                |        |        | HR862 (Lo-16bits)               |
| HR864            | MEAS3:System volt UL12 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR865            |                                |        |        | HR864 (Lo-16bits)               |

| Holding Register | Parameter                      | Access | Length |                                 |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR866            | MEAS3:System volt UL23 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR867            |                                |        |        | HR866 (Lo-16bits)               |
| HR868            | MEAS3:System volt UL23 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR869            |                                |        |        | HR868 (Lo-16bits)               |
| HR870            | MEAS3:System volt UL23 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR871            |                                |        |        | HR870 (Lo-16bits)               |
| HR872            | MEAS3:System volt UL31 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR873            |                                |        |        | HR872 (Lo-16bits)               |
| HR874            | MEAS3:System volt UL31 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR875            |                                |        |        | HR874 (Lo-16bits)               |
| HR876            | MEAS3:System volt UL31 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR877            |                                |        |        | HR876 (Lo-16bits)               |
| HR878            | MEAS3:System volt UL1 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR879            |                                |        |        | HR878 (Lo-16bits)               |
| HR880            | MEAS3:System volt UL1 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR881            |                                |        |        | HR880 (Lo-16bits)               |
| HR882            | MEAS3:System volt UL1 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR883            |                                |        |        | HR882 (Lo-16bits)               |
| HR884            | MEAS3:System volt UL2 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR885            |                                |        |        | HR884 (Lo-16bits)               |
| HR886            | MEAS3:System volt UL2 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR887            |                                |        |        | HR886 (Lo-16bits)               |
| HR888            | MEAS3:System volt UL2 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR889            |                                |        |        | HR888 (Lo-16bits)               |

| Holding Register | Parameter                     | Access | Length |                                 |
|------------------|-------------------------------|--------|--------|---------------------------------|
| HR890            | MEAS3:System volt UL3 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR891            |                               |        |        | HR890 (Lo-16bits)               |
| HR892            | MEAS3:System volt UL3 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR893            |                               |        |        | HR892 (Lo-16bits)               |
| HR894            | MEAS3:System volt UL3 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR895            |                               |        |        | HR894 (Lo-16bits)               |
| HR896            | MEAS3:System volt U0 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR897            |                               |        |        | HR896 (Lo-16bits)               |
| HR898            | MEAS3:System volt U0 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR899            |                               |        |        | HR898 (Lo-16bits)               |
| HR900            | MEAS3:System volt U0 mag(%)   | R      | 2      | FLOAT [0...120] (Hi-16bits)     |
| HR901            |                               |        |        | HR900 (Lo-16bits)               |
| HR902            | MEAS3:System volt U0 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR903            |                               |        |        | HR902 (Lo-16bits)               |
| HR904            | MEAS3:System volt U3 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR905            |                               |        |        | HR904 (Lo-16bits)               |
| HR906            | MEAS3:System volt U3 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR907            |                               |        |        | HR906 (Lo-16bits)               |
| HR908            | MEAS3:System volt U3 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR909            |                               |        |        | HR908 (Lo-16bits)               |
| HR910            | MEAS3:System volt U4 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR911            |                               |        |        | HR910 (Lo-16bits)               |
| HR912            | MEAS3:System volt U4 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR913            |                               |        |        | HR912 (Lo-16bits)               |
| HR914            | MEAS3:System volt U4 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |

| Holding Register | Parameter                     | Access | Length |                                |
|------------------|-------------------------------|--------|--------|--------------------------------|
| HR915            |                               |        |        | HR914 (Lo-16bits)              |
| HR916            | MEAS3:System volt UL1 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR917            |                               |        |        | HR916 (Lo-16bits)              |
| HR918            | MEAS3:System volt UL2 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR919            |                               |        |        | HR918 (Lo-16bits)              |
| HR920            | MEAS3:System volt UL3 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR921            |                               |        |        | HR920 (Lo-16bits)              |
| HR922            | MEAS3:U1 Fund                 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR923            |                               |        |        | HR922 (Lo-16bits)              |
| HR924            | MEAS3:U1 2.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR925            |                               |        |        | HR924 (Lo-16bits)              |
| HR926            | MEAS3:U1 3.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR927            |                               |        |        | HR926 (Lo-16bits)              |
| HR928            | MEAS3:U1 4.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR929            |                               |        |        | HR928 (Lo-16bits)              |
| HR930            | MEAS3:U1 5.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR931            |                               |        |        | HR930 (Lo-16bits)              |
| HR932            | MEAS3:U1 6.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR933            |                               |        |        | HR932 (Lo-16bits)              |
| HR934            | MEAS3:U1 7.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR935            |                               |        |        | HR934 (Lo-16bits)              |
| HR936            | MEAS3:U1 8.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR937            |                               |        |        | HR936 (Lo-16bits)              |
| HR938            | MEAS3:U1 9.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR939            |                               |        |        | HR938 (Lo-16bits)              |
| HR940            | MEAS3:U1 10.harm              | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR941            |                               |        |        | HR940 (Lo-16bits)              |
| HR942            | MEAS3:U1 11.harm              | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR943            |                               |        |        | HR942 (Lo-16bits)              |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR944            | MEAS3:U1 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR945            |                  |        |        | HR944 (Lo-16bits)              |
| HR946            | MEAS3:U1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR947            |                  |        |        | HR946 (Lo-16bits)              |
| HR948            | MEAS3:U1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR949            |                  |        |        | HR948 (Lo-16bits)              |
| HR950            | MEAS3:U1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR951            |                  |        |        | HR950 (Lo-16bits)              |
| HR952            | MEAS3:U1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR953            |                  |        |        | HR952 (Lo-16bits)              |
| HR954            | MEAS3:U1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR955            |                  |        |        | HR954 (Lo-16bits)              |
| HR956            | MEAS3:U1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR957            |                  |        |        | HR956 (Lo-16bits)              |
| HR958            | MEAS3:U1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR959            |                  |        |        | HR958 (Lo-16bits)              |
| HR960            | MEAS3:U1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR961            |                  |        |        | HR960 (Lo-16bits)              |
| HR962            | MEAS3:U1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR963            |                  |        |        | HR962 (Lo-16bits)              |
| HR964            | MEAS3:U1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR965            |                  |        |        | HR964 (Lo-16bits)              |
| HR966            | MEAS3:U1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR967            |                  |        |        | HR966 (Lo-16bits)              |
| HR968            | MEAS3:U1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR969            |                  |        |        | HR968 (Lo-16bits)              |
| HR970            | MEAS3:U1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR971            |                  |        |        | HR970 (Lo-16bits)              |
| HR972            | MEAS3:U1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR973            |                  |        |        | HR972 (Lo-16bits)              |



| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR974            | MEAS3:U1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR975            |                  |        |        | HR974 (Lo-16bits)              |
| HR976            | MEAS3:U1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR977            |                  |        |        | HR976 (Lo-16bits)              |
| HR978            | MEAS3:U1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR979            |                  |        |        | HR978 (Lo-16bits)              |
| HR980            | MEAS3:U1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR981            |                  |        |        | HR980 (Lo-16bits)              |
| HR982            | MEAS3:U1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR983            |                  |        |        | HR982 (Lo-16bits)              |
| HR984            | MEAS3:U2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR985            |                  |        |        | HR984 (Lo-16bits)              |
| HR986            | MEAS3:U2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR987            |                  |        |        | HR986 (Lo-16bits)              |
| HR988            | MEAS3:U2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR989            |                  |        |        | HR988 (Lo-16bits)              |
| HR990            | MEAS3:U2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR991            |                  |        |        | HR990 (Lo-16bits)              |
| HR992            | MEAS3:U2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR993            |                  |        |        | HR992 (Lo-16bits)              |
| HR994            | MEAS3:U2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR995            |                  |        |        | HR994 (Lo-16bits)              |
| HR996            | MEAS3:U2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR997            |                  |        |        | HR996 (Lo-16bits)              |
| HR998            | MEAS3:U2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR999            |                  |        |        | HR998 (Lo-16bits)              |
| HR1000           | MEAS3:U2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1001           |                  |        |        | HR1000 (Lo-16bits)             |
| HR1002           | MEAS3:U2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1003           |                  |        |        | HR1002 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1004           | MEAS3:U2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1005           |                  |        |        | HR1004 (Lo-16bits)             |
| HR1006           | MEAS3:U2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1007           |                  |        |        | HR1006 (Lo-16bits)             |
| HR1008           | MEAS3:U2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1009           |                  |        |        | HR1008 (Lo-16bits)             |
| HR1010           | MEAS3:U2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1011           |                  |        |        | HR1010 (Lo-16bits)             |
| HR1012           | MEAS3:U2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1013           |                  |        |        | HR1012 (Lo-16bits)             |
| HR1014           | MEAS3:U2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1015           |                  |        |        | HR1014 (Lo-16bits)             |
| HR1016           | MEAS3:U2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1017           |                  |        |        | HR1016 (Lo-16bits)             |
| HR1018           | MEAS3:U2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1019           |                  |        |        | HR1018 (Lo-16bits)             |
| HR1020           | MEAS3:U2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1021           |                  |        |        | HR1020 (Lo-16bits)             |
| HR1022           | MEAS3:U2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1023           |                  |        |        | HR1022 (Lo-16bits)             |
| HR1024           | MEAS3:U2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1025           |                  |        |        | HR1024 (Lo-16bits)             |
| HR1026           | MEAS3:U2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1027           |                  |        |        | HR1026 (Lo-16bits)             |
| HR1028           | MEAS3:U2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1029           |                  |        |        | HR1028 (Lo-16bits)             |
| HR1030           | MEAS3:U2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1031           |                  |        |        | HR1030 (Lo-16bits)             |
| HR1032           | MEAS3:U2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1033           |                  |        |        | HR1032 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1034           | MEAS3:U2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1035           |                  |        |        | HR1034 (Lo-16bits)             |
| HR1036           | MEAS3:U2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1037           |                  |        |        | HR1036 (Lo-16bits)             |
| HR1038           | MEAS3:U2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1039           |                  |        |        | HR1038 (Lo-16bits)             |
| HR1040           | MEAS3:U2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1041           |                  |        |        | HR1040 (Lo-16bits)             |
| HR1042           | MEAS3:U2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1043           |                  |        |        | HR1042 (Lo-16bits)             |
| HR1044           | MEAS3:U2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1045           |                  |        |        | HR1044 (Lo-16bits)             |
| HR1046           | MEAS3:U3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1047           |                  |        |        | HR1046 (Lo-16bits)             |
| HR1048           | MEAS3:U3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1049           |                  |        |        | HR1048 (Lo-16bits)             |
| HR1050           | MEAS3:U3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1051           |                  |        |        | HR1050 (Lo-16bits)             |
| HR1052           | MEAS3:U3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1053           |                  |        |        | HR1052 (Lo-16bits)             |
| HR1054           | MEAS3:U3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1055           |                  |        |        | HR1054 (Lo-16bits)             |
| HR1056           | MEAS3:U3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1057           |                  |        |        | HR1056 (Lo-16bits)             |
| HR1058           | MEAS3:U3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1059           |                  |        |        | HR1058 (Lo-16bits)             |
| HR1060           | MEAS3:U3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1061           |                  |        |        | HR1060 (Lo-16bits)             |
| HR1062           | MEAS3:U3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1063           |                  |        |        | HR1062 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1064           | MEAS3:U3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1065           |                  |        |        | HR1064 (Lo-16bits)             |
| HR1066           | MEAS3:U3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1067           |                  |        |        | HR1066 (Lo-16bits)             |
| HR1068           | MEAS3:U3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1069           |                  |        |        | HR1068 (Lo-16bits)             |
| HR1070           | MEAS3:U3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1071           |                  |        |        | HR1070 (Lo-16bits)             |
| HR1072           | MEAS3:U3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1073           |                  |        |        | HR1072 (Lo-16bits)             |
| HR1074           | MEAS3:U3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1075           |                  |        |        | HR1074 (Lo-16bits)             |
| HR1076           | MEAS3:U3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1077           |                  |        |        | HR1076 (Lo-16bits)             |
| HR1078           | MEAS3:U3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1079           |                  |        |        | HR1078 (Lo-16bits)             |
| HR1080           | MEAS3:U3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1081           |                  |        |        | HR1080 (Lo-16bits)             |
| HR1082           | MEAS3:U3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1083           |                  |        |        | HR1082 (Lo-16bits)             |
| HR1084           | MEAS3:U3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1085           |                  |        |        | HR1084 (Lo-16bits)             |
| HR1086           | MEAS3:U3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1087           |                  |        |        | HR1086 (Lo-16bits)             |
| HR1088           | MEAS3:U3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1089           |                  |        |        | HR1088 (Lo-16bits)             |
| HR1090           | MEAS3:U3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1091           |                  |        |        | HR1090 (Lo-16bits)             |
| HR1092           | MEAS3:U3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1093           |                  |        |        | HR1092 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1094           | MEAS3:U3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1095           |                  |        |        | HR1094 (Lo-16bits)             |
| HR1096           | MEAS3:U3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1097           |                  |        |        | HR1096 (Lo-16bits)             |
| HR1098           | MEAS3:U3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1099           |                  |        |        | HR1098 (Lo-16bits)             |
| HR1100           | MEAS3:U3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1101           |                  |        |        | HR1100 (Lo-16bits)             |
| HR1102           | MEAS3:U3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1103           |                  |        |        | HR1102 (Lo-16bits)             |
| HR1104           | MEAS3:U3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1105           |                  |        |        | HR1104 (Lo-16bits)             |
| HR1106           | MEAS3:U3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1107           |                  |        |        | HR1106 (Lo-16bits)             |
| HR1108           | MEAS3:U4 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1109           |                  |        |        | HR1108 (Lo-16bits)             |
| HR1110           | MEAS3:U4 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1111           |                  |        |        | HR1110 (Lo-16bits)             |
| HR1112           | MEAS3:U4 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1113           |                  |        |        | HR1112 (Lo-16bits)             |
| HR1114           | MEAS3:U4 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1115           |                  |        |        | HR1114 (Lo-16bits)             |
| HR1116           | MEAS3:U4 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1117           |                  |        |        | HR1116 (Lo-16bits)             |
| HR1118           | MEAS3:U4 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1119           |                  |        |        | HR1118 (Lo-16bits)             |
| HR1120           | MEAS3:U4 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1121           |                  |        |        | HR1120 (Lo-16bits)             |
| HR1122           | MEAS3:U4 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1123           |                  |        |        | HR1122 (Lo-16bits)             |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1124           | MEAS3:U4 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1125           |                  |        |        | HR1124 (Lo-16bits)             |
| HR1126           | MEAS3:U4 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1127           |                  |        |        | HR1126 (Lo-16bits)             |
| HR1128           | MEAS3:U4 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1129           |                  |        |        | HR1128 (Lo-16bits)             |
| HR1130           | MEAS3:U4 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1131           |                  |        |        | HR1130 (Lo-16bits)             |
| HR1132           | MEAS3:U4 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1133           |                  |        |        | HR1132 (Lo-16bits)             |
| HR1134           | MEAS3:U4 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1135           |                  |        |        | HR1134 (Lo-16bits)             |
| HR1136           | MEAS3:U4 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1137           |                  |        |        | HR1136 (Lo-16bits)             |
| HR1138           | MEAS3:U4 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1139           |                  |        |        | HR1138 (Lo-16bits)             |
| HR1140           | MEAS3:U4 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1141           |                  |        |        | HR1140 (Lo-16bits)             |
| HR1142           | MEAS3:U4 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1143           |                  |        |        | HR1142 (Lo-16bits)             |
| HR1144           | MEAS3:U4 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1145           |                  |        |        | HR1144 (Lo-16bits)             |
| HR1146           | MEAS3:U4 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1147           |                  |        |        | HR1146 (Lo-16bits)             |
| HR1148           | MEAS3:U4 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1149           |                  |        |        | HR1148 (Lo-16bits)             |
| HR1150           | MEAS3:U4 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1151           |                  |        |        | HR1150 (Lo-16bits)             |
| HR1152           | MEAS3:U4 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1153           |                  |        |        | HR1152 (Lo-16bits)             |

| Holding Register | Parameter                                        | Access | Length |                                              |
|------------------|--------------------------------------------------|--------|--------|----------------------------------------------|
| HR1154           | MEAS3:U4 24.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1155           |                                                  |        |        | HR1154 (Lo-16bits)                           |
| HR1156           | MEAS3:U4 25.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1157           |                                                  |        |        | HR1156 (Lo-16bits)                           |
| HR1158           | MEAS3:U4 26.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1159           |                                                  |        |        | HR1158 (Lo-16bits)                           |
| HR1160           | MEAS3:U4 27.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1161           |                                                  |        |        | HR1160 (Lo-16bits)                           |
| HR1162           | MEAS3:U4 28.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1163           |                                                  |        |        | HR1162 (Lo-16bits)                           |
| HR1164           | MEAS3:U4 29.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1165           |                                                  |        |        | HR1164 (Lo-16bits)                           |
| HR1166           | MEAS3:U4 30.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1167           |                                                  |        |        | HR1166 (Lo-16bits)                           |
| HR1168           | MEAS3:U4 31.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1169           |                                                  |        |        | HR1168 (Lo-16bits)                           |
| HR1170           | POW1:Export Active Energy (P) MWh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1171           |                                                  |        |        | HR1170 (Lo-16bits)                           |
| HR1172           | POW1:Export Active Energy (P) kWh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1173           |                                                  |        |        | HR1172 (Lo-16bits)                           |
| HR1174           | POW1:Import Active Energy (P) MWh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1175           |                                                  |        |        | HR1174 (Lo-16bits)                           |
| HR1176           | POW1:Import Active Energy (P) kWh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1177           |                                                  |        |        | HR1176 (Lo-16bits)                           |
| HR1178           | POW1:Active Energy (P) Export/Import balance MWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1179           |                                                  |        |        | HR1178 (Lo-16bits)                           |
| HR1180           | POW1:Active Energy (P) Export/Import balance kWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |

| Holding Register | Parameter                                               | Access | Length |                                              |
|------------------|---------------------------------------------------------|--------|--------|----------------------------------------------|
| HR1181           |                                                         |        |        | HR1180 (Lo-16bits)                           |
| HR1182           | POW1:Imported (Q) while Export (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1183           |                                                         |        |        | HR1182 (Lo-16bits)                           |
| HR1184           | POW1:Imported (Q) while Export (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1185           |                                                         |        |        | HR1184 (Lo-16bits)                           |
| HR1186           | POW1:Imported (Q) while Import (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1187           |                                                         |        |        | HR1186 (Lo-16bits)                           |
| HR1188           | POW1:Imported (Q) while Import (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1189           |                                                         |        |        | HR1188 (Lo-16bits)                           |
| HR1190           | POW1:Reactive Energy (Q) balance while Import (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1191           |                                                         |        |        | HR1190 (Lo-16bits)                           |
| HR1192           | POW1:Reactive Energy (Q) balance while Import (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1193           |                                                         |        |        | HR1192 (Lo-16bits)                           |
| HR1194           | POW1:Exported (Q) while Export (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1195           |                                                         |        |        | HR1194 (Lo-16bits)                           |
| HR1196           | POW1:Exported (Q) while Export (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1197           |                                                         |        |        | HR1196 (Lo-16bits)                           |
| HR1198           | POW1:Exported (Q) while Import (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1199           |                                                         |        |        | HR1198 (Lo-16bits)                           |
| HR1200           | POW1:Exported (Q) while Import (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1201           |                                                         |        |        | HR1200 (Lo-16bits)                           |
| HR1202           | POW1:Reactive Energy (Q) balance while Export (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1203           |                                                         |        |        | HR1202 (Lo-16bits)                           |



| Holding Register | Parameter                                               | Access | Length |                                              |
|------------------|---------------------------------------------------------|--------|--------|----------------------------------------------|
| HR1204           | POW1:Reactive Energy (Q) balance while Export (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1205           |                                                         |        |        | HR1204 (Lo-16bits)                           |
| HR1206           | POW1:Reset 3ph Energies                                 | RW     | 1      | 0=-;1=Reset                                  |
| HR1207           | POW1:POW1 3PH Apparent power (S)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1208           |                                                         |        |        | HR1207 (Lo-16bits)                           |
| HR1209           | POW1:POW1 3PH Apparent power (S MVA)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1210           |                                                         |        |        | HR1209 (Lo-16bits)                           |
| HR1211           | POW1:POW1 3PH Active power (P)                          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1212           |                                                         |        |        | HR1211 (Lo-16bits)                           |
| HR1213           | POW1:POW1 3PH Active power (P MW)                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1214           |                                                         |        |        | HR1213 (Lo-16bits)                           |
| HR1215           | POW1:POW1 3PH Reactive power (Q)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1216           |                                                         |        |        | HR1215 (Lo-16bits)                           |
| HR1217           | POW1:POW1 3PH Reactive power (QMVar)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1218           |                                                         |        |        | HR1217 (Lo-16bits)                           |
| HR1219           | POW1:POW1 3PH Tan(phi)                                  | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1220           |                                                         |        |        | HR1219 (Lo-16bits)                           |
| HR1221           | POW1:POW1 3PH Cos(phi)                                  | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1222           |                                                         |        |        | HR1221 (Lo-16bits)                           |
| HR1223           | FLTREG:Recorded fault value                             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1224           |                                                         |        |        | HR1223 (Lo-16bits)                           |
| HR1225           | FLTREG:Recorded fault value                             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1226           |                                                         |        |        | HR1225 (Lo-16bits)                           |
| HR1227           | FLTREG:Recorded fault value                             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1228           |                                                         |        |        | HR1227 (Lo-16bits)                           |

| Holding Register | Parameter                                                         | Access | Length |                                                                      |
|------------------|-------------------------------------------------------------------|--------|--------|----------------------------------------------------------------------|
| HR1229           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1230           |                                                                   |        |        | HR1229 (Lo-16bits)                                                   |
| HR1231           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1232           |                                                                   |        |        | HR1231 (Lo-16bits)                                                   |
| HR1233           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1234           |                                                                   |        |        | HR1233 (Lo-16bits)                                                   |
| HR1235           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1236           |                                                                   |        |        | HR1235 (Lo-16bits)                                                   |
| HR1237           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1238           |                                                                   |        |        | HR1237 (Lo-16bits)                                                   |
| HR1239           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1240           |                                                                   |        |        | HR1239 (Lo-16bits)                                                   |
| HR1241           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1242           |                                                                   |        |        | HR1241 (Lo-16bits)                                                   |
| HR1243           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1244           |                                                                   |        |        | HR1243 (Lo-16bits)                                                   |
| HR1245           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1246           |                                                                   |        |        | HR1245 (Lo-16bits)                                                   |
| HR1247           | FREQS:f atm. Protections (when not measurable returns to nominal) | R      | 2      | FLOAT [0...75] (Hi-16bits)                                           |
| HR1248           |                                                                   |        |        | HR1247 (Lo-16bits)                                                   |
| HR1249           | DIGI:Dis 1-32                                                     | R      | 2      | 0b=DI1;1b=DI2;2b=DI3;3b=DI4;4b=DI5;5b=DI6;6b=DI7;7b=DI8; (Hi-16bits) |
| HR1250           |                                                                   |        |        | HR1249 (Lo-16bits)                                                   |
| HR1251           | DIGI:Dis 33-64                                                    | R      | 2      | 0b=DI33;1b=DI34;2b=DI35;3b=DI36;4b=DI37;5b=DI38;6b=DI39              |
| HR1252           |                                                                   |        |        | HR1251 (Lo-16bits)                                                   |

| Holding Register | Parameter                | Access | Length |                                                                             |
|------------------|--------------------------|--------|--------|-----------------------------------------------------------------------------|
| HR1253           | RELE:Outputs status      | R      | 2      | 0b=O1;1b=O2;2b=O3;3b=O4;4b=O5;5b=O6;6b=O7;7b=O8;8b=O9                       |
| HR1254           |                          |        |        | HR1253 (Lo-16bits)                                                          |
| HR1255           | SGS:Active setting group | R      | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8                             |
| HR1256           | SGS:Force SG             | RW     | 1      | 0=none;1=SG1;2=SG2;3=SG3;4=SG4;5=SG5;6=SG6;7=SG7;8=SG8                      |
| HR1257           | SGS:Force SG change      | RW     | 1      | 0=Disabled;1=Enabled                                                        |
| HR1258           | SGS:Used setting groups  | RW     | 1      | 0=SG1;1=SG1...2;2=SG1...3;3=SG1...4;4=SG1...5;5=SG1...6;6=SG1...7;7=SG1...8 |
| HR1259           | SGS:Remote SG change     | RW     | 1      | 0=none;1=SG1;2=SG2;3=SG3;4=SG4;5=SG5;6=SG6;7=SG7;8=SG8                      |
| HR1260           | LOGIC:Reset Latches      | RW     | 1      | 0=-;1=Reset                                                                 |
| HR1261           | NOC1:I> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1262           | NOC2:I>> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1263           | NOC3:I>>> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1264           | NOC4:I>>>> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1265           | DOC1:I<dir> condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1266           | DOC2:I<dir>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1267           | DOC3:I<dir>>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1268           | DOC4:I<dir>>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1269           | NEF1:I0> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1270           | NEF1:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F                         |
| HR1271           | NEF2:I0>> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1272           | NEF2:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F                         |
| HR1273           | NEF3:I0>>> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1274           | NEF3:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F                         |
| HR1275           | NEF4:I0>>>> condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                           |
| HR1276           | NEF4:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F                         |
| HR1277           | DEF1:I0<dir> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unearthed Stop        |
| HR1278           | DEF1:U0> Measuring now   | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input                               |
| HR1279           | DEF1:I0 Direction now    | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                                            |
| HR1280           | DEF2:I0<dir>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unearthed Stop        |
| HR1281           | DEF2:U0>> Measuring now  | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input                               |
| HR1282           | DEF2:I0 Direction now    | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                                            |

| Holding Register | Parameter                 | Access | Length |                                                             |
|------------------|---------------------------|--------|--------|-------------------------------------------------------------|
| HR1283           | DEF3:I0dir>>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1284           | DEF3:U0>>> Measuring now  | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1285           | DEF3:I0 Direction now     | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1286           | DEF4:I0dir>>>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1287           | DEF4:U0>>>> Measuring now | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1288           | DEF4:I0 Direction now     | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1289           | IEF1:I0Int> condition     | R      | 1      | 0=Normal;1=StartFWD;2=StartREV;3=Trip;4=Blocked;            |
| HR1290           | IEF1:U0> Measuring now    | R      | 1      | 0=No U0 avail!;1=U3 Input;2=U4 Input                        |
| HR1291           | CUB1:I2> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1292           | CUB2:I2>> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1293           | CUB3:I2>>> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1294           | CUB4:I2>>>> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1295           | HOC1:Ih> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1296           | HOC1:L1 Harm p.u.         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                              |
| HR1297           |                           |        |        | HR1296 (Lo-16bits)                                          |
| HR1298           | HOC1:L1 Harm per          | R      | 2      | FLOAT [0...100000] (Hi-16bits)                              |
| HR1299           |                           |        |        | HR1298 (Lo-16bits)                                          |
| HR1300           | HOC1:L2 Harm p.u.         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                              |
| HR1301           |                           |        |        | HR1300 (Lo-16bits)                                          |
| HR1302           | HOC1:L2 Harm per          | R      | 2      | FLOAT [0...100000] (Hi-16bits)                              |
| HR1303           |                           |        |        | HR1302 (Lo-16bits)                                          |
| HR1304           | HOC1:L3 Harm p.u.         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                              |
| HR1305           |                           |        |        | HR1304 (Lo-16bits)                                          |
| HR1306           | HOC1:L3 Harm per          | R      | 2      | FLOAT [0...100000] (Hi-16bits)                              |
| HR1307           |                           |        |        | HR1306 (Lo-16bits)                                          |
| HR1308           | HOC1:I01 Harm p.u.        | R      | 2      | FLOAT [0...100000] (Hi-16bits)                              |
| HR1309           |                           |        |        | HR1308 (Lo-16bits)                                          |
| HR1310           | HOC1:I01 Harm per         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                              |
| HR1311           |                           |        |        | HR1310 (Lo-16bits)                                          |

| Holding Register | Parameter            | Access | Length |                                   |
|------------------|----------------------|--------|--------|-----------------------------------|
| HR1312           | HOC1:I02 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1313           |                      |        |        | HR1312 (Lo-16bits)                |
| HR1314           | HOC1:I02 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1315           |                      |        |        | HR1314 (Lo-16bits)                |
| HR1316           | HOC2:Ih>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1317           | HOC2:L1 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1318           |                      |        |        | HR1317 (Lo-16bits)                |
| HR1319           | HOC2:L1 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1320           |                      |        |        | HR1319 (Lo-16bits)                |
| HR1321           | HOC2:L2 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1322           |                      |        |        | HR1321 (Lo-16bits)                |
| HR1323           | HOC2:L2 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1324           |                      |        |        | HR1323 (Lo-16bits)                |
| HR1325           | HOC2:L3 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1326           |                      |        |        | HR1325 (Lo-16bits)                |
| HR1327           | HOC2:L3 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1328           |                      |        |        | HR1327 (Lo-16bits)                |
| HR1329           | HOC2:I01 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1330           |                      |        |        | HR1329 (Lo-16bits)                |
| HR1331           | HOC2:I01 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1332           |                      |        |        | HR1331 (Lo-16bits)                |
| HR1333           | HOC2:I02 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1334           |                      |        |        | HR1333 (Lo-16bits)                |
| HR1335           | HOC2:I02 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1336           |                      |        |        | HR1335 (Lo-16bits)                |
| HR1337           | HOC3:Ih>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1338           | HOC3:L1 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1339           |                      |        |        | HR1338 (Lo-16bits)                |
| HR1340           | HOC3:L1 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1341           |                      |        |        | HR1340 (Lo-16bits)                |

| Holding Register | Parameter             | Access | Length |                                   |
|------------------|-----------------------|--------|--------|-----------------------------------|
| HR1342           | HOC3:L2 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1343           |                       |        |        | HR1342 (Lo-16bits)                |
| HR1344           | HOC3:L2 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1345           |                       |        |        | HR1344 (Lo-16bits)                |
| HR1346           | HOC3:L3 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1347           |                       |        |        | HR1346 (Lo-16bits)                |
| HR1348           | HOC3:L3 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1349           |                       |        |        | HR1348 (Lo-16bits)                |
| HR1350           | HOC3:I01 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1351           |                       |        |        | HR1350 (Lo-16bits)                |
| HR1352           | HOC3:I01 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1353           |                       |        |        | HR1352 (Lo-16bits)                |
| HR1354           | HOC3:I02 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1355           |                       |        |        | HR1354 (Lo-16bits)                |
| HR1356           | HOC3:I02 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1357           |                       |        |        | HR1356 (Lo-16bits)                |
| HR1358           | HOC4:Ih>>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1359           | HOC4:L1 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1360           |                       |        |        | HR1359 (Lo-16bits)                |
| HR1361           | HOC4:L1 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1362           |                       |        |        | HR1361 (Lo-16bits)                |
| HR1363           | HOC4:L2 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1364           |                       |        |        | HR1363 (Lo-16bits)                |
| HR1365           | HOC4:L2 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1366           |                       |        |        | HR1365 (Lo-16bits)                |
| HR1367           | HOC4:L3 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1368           |                       |        |        | HR1367 (Lo-16bits)                |
| HR1369           | HOC4:L3 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1370           |                       |        |        | HR1369 (Lo-16bits)                |
| HR1371           | HOC4:I01 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |

| Holding Register | Parameter                           | Access | Length |                                                                |
|------------------|-------------------------------------|--------|--------|----------------------------------------------------------------|
| HR1372           |                                     |        |        | HR1371 (Lo-16bits)                                             |
| HR1373           | HOC4:I01 Harm per                   | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                 |
| HR1374           |                                     |        |        | HR1373 (Lo-16bits)                                             |
| HR1375           | HOC4:I02 Harm p.u.                  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                 |
| HR1376           |                                     |        |        | HR1375 (Lo-16bits)                                             |
| HR1377           | HOC4:I02 Harm per                   | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                 |
| HR1378           |                                     |        |        | HR1377 (Lo-16bits)                                             |
| HR1379           | CLP1:CLP condition                  | R      | 1      | 0=Normal;1=Curr low;2=Overcurrent On;3=CLPU On;4=CLPU b        |
| HR1380           | CBF1:CBFP condition                 | R      | 1      | 0=Normal;1=Start;2=ReTrip;3=CBFP On;4=Blocked                  |
| HR1381           | TRF1:Transformer is now             | R      | 1      | 0=No/LightLoad;1=Energizing;2=Normal load;3=Overloaded;4=C     |
| HR1382           | DIF1:Id< condition                  | R      | 2      | 0b=Idb> Trip;1b=Idb> Blocked;2b=Idi> Trip;3b=Idi> Blocked;4b=2 |
| HR1383           |                                     |        |        | HR1382 (Lo-16bits)                                             |
| HR1384           | DIF1:L1 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1385           | DIF1:L2 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1386           | DIF1:L3 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1387           | REF1:I0d> condition                 | R      | 1      | 0=Normal;1=Trip;2=Blocked                                      |
| HR1388           | TOLT1:TT> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1389           | TOLT1:Thermal status                | R      | 1      | 0=Light / No load;1=High overload;2=Overloading;3=Load norma   |
| HR1390           | TOLT1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                        |
| HR1391           | TOLT1:Ambient Temp Sel              | RW     | 1      | 0=Manual Set;1=RTD Meas                                        |
| HR1392           | TOLT1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                 |
| HR1393           | TOLF1:TF> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1394           | TOLF1:Thermal status                | R      | 1      | 0=Light / No load;1=High overload;2=Overloading;3=Load norma   |
| HR1395           | TOLF1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                        |
| HR1396           | TOLF1:Ambient Temp Sel              | RW     | 1      | 0=Manual Set;1=RTD Meas                                        |
| HR1397           | TOLF1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                 |
| HR1398           | TOLF1:Set or Estimate tau (t const) | RW     | 1      | 0=Set;1=Estimate                                               |
| HR1399           | MST1:Motor is now                   | R      | 1      | 0=Stopped;1=Starting;2=Running;3=Stalled                       |
| HR1400           | TOLM1:TM> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1401           | TOLM1:Motor status                  | R      | 1      | 0=Stopped;1=Stalled;2=JustStopped;3=Overloading;4=Running      |

| Holding Register | Parameter                           | Access | Length |                                                          |
|------------------|-------------------------------------|--------|--------|----------------------------------------------------------|
| HR1402           | TOLM1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                  |
| HR1403           | TOLM1:NPS Biasing in use            | RW     | 1      | 0=No NPS biasing;1=NPS Biasing in use                    |
| HR1404           | TOLM1:Time constants                | RW     | 1      | 0=Single;1=Multiple                                      |
| HR1405           | TOLM1:Estimate Short TC and timings | RW     | 1      | 0=Set manually;1=Estimate (on-line)                      |
| HR1406           | TOLM1:T const dyn. balancing        | RW     | 1      | 0=Fixed;1=Dynamic                                        |
| HR1407           | TOLM1:Dev.Temp (tmax)               | RW     | 1      | 0=A;1=B;2=F;3=H;4=Manual set                             |
| HR1408           | TOLM1:Amb. T Selection              | RW     | 1      | 0=Manual set;1=RTD                                       |
| HR1409           | TOLM1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                           |
| HR1410           | LCR1:ISt> condition                 | R      | 1      | 0=Normal;1=Start; 2=Set time Trip;3=M cap Trip;4=Blocked |
| HR1411           | FSP1:N> condition                   | R      | 1      | 0=Normal;1=Alarm On;2=Inhibits;3=Blocked                 |
| HR1412           | NUC1:I< condition                   | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                      |
| HR1413           | MJP1:Im> condition                  | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                      |
| HR1414           | OV1:U> condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1415           | OV2:U>> condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1416           | OV3:U>>> condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1417           | OV4:U>>>> condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1418           | UV1:U< condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1419           | UV2:U<< condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1420           | UV3:U<<< condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1421           | UV4:U<<<< condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1422           | NOV1:U0> condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1423           | NOV1:U0> Measuring now              | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1424           | NOV2:U0>> condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1425           | NOV2:U0>> Measuring now             | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1426           | NOV3:U0>>> condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1427           | NOV3:U0>>> Measuring now            | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1428           | NOV4:U0>>>> condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1429           | NOV4:U0>>>> Measuring now           | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |



| Holding Register | Parameter                     | Access | Length |                                   |
|------------------|-------------------------------|--------|--------|-----------------------------------|
| HR1430           | VUB1:U1/2 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1431           | VUB2:U1/2 >>/<< condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1432           | VUB3:U1/2 >>>/<<< condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1433           | VUB4:U1/2 >>>>/<<<< condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1434           | FRQC1:f> [Curr] condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1435           | FRQC1:f>> [Curr] condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1436           | FRQC1:f>>> [Curr] condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1437           | FRQC1:f>>>> [Curr] condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1438           | FRQC1:f< [Curr] condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1439           | FRQC1:f<< [Curr] condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1440           | FRQC1:f<<< [Curr] condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1441           | FRQC1:f<<<< [Curr] condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1442           | FRQV1:f> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1443           | FRQV1:f>> condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1444           | FRQV1:f>>> condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1445           | FRQV1:f>>>> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1446           | FRQV1:f< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1447           | FRQV1:f<< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1448           | FRQV1:f<<< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1449           | FRQV1:f<<<< condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1450           | DFT1:df/dt >/< (1) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1451           | DFT1:df/dt >/< (2) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1452           | DFT1:df/dt >/< (3) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1453           | DFT1:df/dt >/< (4) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1454           | DFT1:df/dt >/< (5) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1455           | DFT1:df/dt >/< (6) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1456           | DFT1:df/dt >/< (7) condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |

| Holding Register | Parameter                    | Access | Length |                                                              |
|------------------|------------------------------|--------|--------|--------------------------------------------------------------|
| HR1457           | DFT1:df/dt >/< (8) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1458           | GST1:Generator is now        | R      | 1      | 0=No/LightLoad;1=Normal load;2=Overloaded;3=On high overloa  |
| HR1459           | OPW1:P> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1460           | UPW1:P< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1461           | RPW1:Prev> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1462           | SEF1:U03rd< condition        | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1463           | SEF1:U03rd< Measuring now    | R      | 1      | 0=No U0 avail!;1=U3 Input;2=U4 Input                         |
| HR1464           | UEX1:Q< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1465           | UIM1:Z< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1466           | VOC1:lv> condition           | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1467           | VOC1:Voltage measurement     | R      | 1      | 0=Invalid U1 not avail.;1=Ok                                 |
| HR1468           | VHZ1:V/Hz(1) > condition     | R      | 1      | 0=Normal;1=VHz(1) Blocked;2=VHz(1) Start;3=VHz(1) Alarm;4=   |
| HR1469           | UPF1:PF< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Alarm Start;5=Alarm      |
| HR1470           | ARC1:I/I0 Arc> condition     | R      | 1      | 0b=Z1 Trip;1b=Z1 Blocked;2b=Z2 Trip;3b=Z2 Blocked;4b=Z3 Trip |
| HR1471           | CTS1:CTS1 condition          | R      | 1      | 0=Normal;1=Alarm;2=Blocked                                   |
| HR1472           | CTS2:CTS2 condition          | R      | 1      | 0=Normal;1=Alarm;2=Blocked                                   |
| HR1473           | VTs1:VTs condition           | R      | 1      | 0=Normal;1=Start;2=VTBusfail;3=VTLinefail;4=Blocked          |
| HR1474           | VTs1:Bus voltages            | R      | 1      | 0=Bus dead;1=Bus Live VTS Ok SEQ Ok;2=Bus Live VTS Ok SE     |
| HR1475           | FLX1:Fault locator condition | R      | 1      | 0=Idle;1=Triggered;2=Calc ready                              |
| HR1476           | THD1:THD condition           | R      | 1      | 0=Normal;1=Start;2=Alarm;3=Blocked                           |
| HR1477           | CBW1:CBW condition           | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On                             |
| HR1478           | NJK1:U0> RECL condition      | R      | 1      | 0=Normal;1=Requested;2=Blocked;3=Active;4=BK clo cmd;5=BK    |
| HR1479           | SOF1:SOTF condition          | R      | 1      | 0=Normal;1=Init;2=Active;3=Trip;4=Blocked                    |
| HR1480           | SYN1:SYN1 Condition          | R      | 2      | 0b=SYN1 Blocked;1b=SYN1 Ok;2b=SYN1 Bypass;3b=SYN1 Vco        |
| HR1481           |                              |        |        | HR1480 (Lo-16bits)                                           |
| HR1482           | SYN1:SYN2 Condition          | R      | 2      | 0b=SYN2 Blocked;1b=SYN2 Ok;2b=SYN2 Bypass;3b=SYN2 Vco        |
| HR1483           |                              |        |        | HR1482 (Lo-16bits)                                           |
| HR1484           | SYN1:SYN3 Condition          | R      | 2      | 0b=SYN3 Blocked;1b=SYN3 Ok;2b=SYN3 Bypass;3b=SYN3 Vco        |
| HR1485           |                              |        |        | HR1484 (Lo-16bits)                                           |

| Holding Register | Parameter                             | Access | Length |                                                                                                                               |
|------------------|---------------------------------------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------|
| HR1486           | OBJ1:Object1 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1487           | OBJ2:Object2 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1488           | OBJ3:Object3 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1489           | OBJ4:Object4 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1490           | OBJ5:Object5 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1491           | CIN1:Ind.1 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1492           | CIN2:Ind.2 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1493           | CIN3:Ind.3 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1494           | CIN4:Ind.4 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1495           | CIN5:Ind.5 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                          |
| HR1496           | AR1:AR Status                         | R      | 2      | 0b=AR is inhibit;1b=AR is ready;2b=AR is locked;3b=AR is running;4b=AR Requested;14b=AR4 Requested;15b=AR5 Requested;16b=Exec |
| HR1497           |                                       |        |        | HR1496 (Lo-16bits)                                                                                                            |
| HR1498           | AR1:Timer active                      | R      | 1      | 0=-;1=AR Lockout;2=AR Reset Reclaim;3=AR Start Delay;4=AR                                                                     |
| HR1499           | VRG1:Vreg settings condition          | R      | 2      | 0b=U>> set too low;1b=U< set too high;2b=U> set higher than U                                                                 |
| HR1500           |                                       |        |        | HR1499 (Lo-16bits)                                                                                                            |
| HR1501           | VRG1:Vreg condition                   | R      | 2      | 0b=Raise command on;1b=Lower command on;2b=Operation bl                                                                       |
| HR1502           |                                       |        |        | HR1501 (Lo-16bits)                                                                                                            |
| HR1503           | VRG1:Vreg timer active                | R      | 1      | 0=-;1=Fine tune Decrease;2=Fine tune Increase;3=Low set Decre                                                                 |
| HR1504           | VRG1:Voltage meas condition           | R      | 1      | 0=Not configured;1=System U12;2=System U23;3=System U31;                                                                      |
| HR1505           | EMON1:I> (50) Monitor condition       | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1506           | EMON1:IO> (50N) Monitor condition     | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1507           | EMON1:Idir> (67) Monitor condition    | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1508           | EMON1:IOdir> (67N) Monitor condition  | R      | 1      | 0=Normal;1=FLT detected                                                                                                       |
| HR1509           | EMON1:IOInt> (67NT) Monitor condition | R      | 1      | 0=Normal;1=FLT FW;2=FLT REV                                                                                                   |

| Holding Register | Parameter                         | Access | Length |                                                         |
|------------------|-----------------------------------|--------|--------|---------------------------------------------------------|
| HR1510           | EMON1:U< (27) Monitor condition   | R      | 1      | 0=Normal;1=Undervoltage;2=No voltage                    |
| HR1511           | EMON1:U0> (59N) Monitor condition | R      | 1      | 0=Normal;1=FLT detected                                 |
| HR1512           | EMON1:FL (21FL) Monitor condition | R      | 1      | 0=Normal;1=FLT detected                                 |
| HR1513           | MEAS1:Meas1 IL ang. Ref           | R      | 2      | FLOAT [-360...360] (Hi-16bits)                          |
| HR1514           |                                   |        |        | HR1513 (Lo-16bits)                                      |
| HR1515           | DIF1:REFHV> condition             | R      | 2      | 0b=HV REF Blocked;1b=HV REF Trip (Hi-16bits)            |
| HR1516           |                                   |        |        | HR1515 (Lo-16bits)                                      |
| HR1517           | DIF1:REFLV> condition             | R      | 2      | 0b=LV REF Blocked;1b=LV REF Trip (Hi-16bits)            |
| HR1518           |                                   |        |        | HR1517 (Lo-16bits)                                      |
| HR1519           | ALARM:Alarms 1-32                 | R      | 2      | 0b=A1;1b=A2;2b=A3;3b=A4;4b=A5;5b=A6;6b=A7;7b=A8;8b=A9   |
| HR1520           |                                   |        |        | HR1519 (Lo-16bits)                                      |
| HR1521           | ALARM:Alarms 33-64                | R      | 2      | 0b=A33;1b=A34;2b=A35;3b=A36;4b=A37;5b=A38;6b=A39;7b=A40 |
| HR1522           |                                   |        |        | HR1521 (Lo-16bits)                                      |
| HR1523           | DIAG:Configuration changed        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)                     |
| HR1524           |                                   |        |        | HR1523 (Lo-16bits)                                      |
| HR1525           | RTDIN:S1 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1526           |                                   |        |        | HR1525 (Lo-16bits)                                      |
| HR1527           | RTDIN:S2 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1528           |                                   |        |        | HR1527 (Lo-16bits)                                      |
| HR1529           | RTDIN:S3 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1530           |                                   |        |        | HR1529 (Lo-16bits)                                      |
| HR1531           | RTDIN:S4 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1532           |                                   |        |        | HR1531 (Lo-16bits)                                      |
| HR1533           | RTDIN:S5 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1534           |                                   |        |        | HR1533 (Lo-16bits)                                      |

| Holding Register | Parameter                  | Access | Length |                                     |
|------------------|----------------------------|--------|--------|-------------------------------------|
| HR1535           | RTDIN:S6 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1536           |                            |        |        | HR1535 (Lo-16bits)                  |
| HR1537           | RTDIN:S7 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1538           |                            |        |        | HR1537 (Lo-16bits)                  |
| HR1539           | RTDIN:S7 Measurement mA    | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1540           |                            |        |        | HR1539 (Lo-16bits)                  |
| HR1541           | RTDIN:S8 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1542           |                            |        |        | HR1541 (Lo-16bits)                  |
| HR1543           | RTDIN:S8 Measurement mA    | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1544           |                            |        |        | HR1543 (Lo-16bits)                  |
| HR1545           | RTDIN:S9 Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1546           |                            |        |        | HR1545 (Lo-16bits)                  |
| HR1547           | RTDIN:S10 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1548           |                            |        |        | HR1547 (Lo-16bits)                  |
| HR1549           | RTDIN:S11 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1550           |                            |        |        | HR1549 (Lo-16bits)                  |
| HR1551           | RTDIN:S12 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1552           |                            |        |        | HR1551 (Lo-16bits)                  |
| HR1553           | RTDIN:S13 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1554           |                            |        |        | HR1553 (Lo-16bits)                  |
| HR1555           | RTDIN:S14 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1556           |                            |        |        | HR1555 (Lo-16bits)                  |
| HR1557           | RTDIN:S15 Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1558           |                            |        |        | HR1557 (Lo-16bits)                  |

| Holding Register | Parameter                        | Access | Length |                                     |
|------------------|----------------------------------|--------|--------|-------------------------------------|
| HR1559           | RTDIN:S15 Measurement mA         | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1560           |                                  |        |        | HR1559 (Lo-16bits)                  |
| HR1561           | RTDIN:S16 Measurement(Raw)       | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1562           |                                  |        |        | HR1561 (Lo-16bits)                  |
| HR1563           | RTDIN:S16 Measurement mA         | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1564           |                                  |        |        | HR1563 (Lo-16bits)                  |
| HR1565           | RTD1:S1 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1566           |                                  |        |        | HR1565 (Lo-16bits)                  |
| HR1567           | RTD1:S2 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1568           |                                  |        |        | HR1567 (Lo-16bits)                  |
| HR1569           | RTD1:S3 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1570           |                                  |        |        | HR1569 (Lo-16bits)                  |
| HR1571           | RTD1:S4 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1572           |                                  |        |        | HR1571 (Lo-16bits)                  |
| HR1573           | RTD1:S5 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1574           |                                  |        |        | HR1573 (Lo-16bits)                  |
| HR1575           | RTD1:S6 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1576           |                                  |        |        | HR1575 (Lo-16bits)                  |
| HR1577           | RTD1:S7 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1578           |                                  |        |        | HR1577 (Lo-16bits)                  |
| HR1579           | RTD1:S8 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1580           |                                  |        |        | HR1579 (Lo-16bits)                  |
| HR1581           | RTD1:S9 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1582           |                                  |        |        | HR1581 (Lo-16bits)                  |

| Holding Register | Parameter                         | Access | Length |                                         |
|------------------|-----------------------------------|--------|--------|-----------------------------------------|
| HR1583           | RTD1:S10 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1584           |                                   |        |        | HR1583 (Lo-16bits)                      |
| HR1585           | RTD1:S11 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1586           |                                   |        |        | HR1585 (Lo-16bits)                      |
| HR1587           | RTD1:S12 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1588           |                                   |        |        | HR1587 (Lo-16bits)                      |
| HR1589           | RTD1:S1 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1590           |                                   |        |        | HR1589 (Lo-16bits)                      |
| HR1591           | RTD1:S1 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1592           |                                   |        |        | HR1591 (Lo-16bits)                      |
| HR1593           | RTD1:S2 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1594           |                                   |        |        | HR1593 (Lo-16bits)                      |
| HR1595           | RTD1:S2 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1596           |                                   |        |        | HR1595 (Lo-16bits)                      |
| HR1597           | RTD1:S3 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1598           |                                   |        |        | HR1597 (Lo-16bits)                      |
| HR1599           | RTD1:S3 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1600           |                                   |        |        | HR1599 (Lo-16bits)                      |
| HR1601           | RTD1:S4 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1602           |                                   |        |        | HR1601 (Lo-16bits)                      |
| HR1603           | RTD1:S4 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1604           |                                   |        |        | HR1603 (Lo-16bits)                      |
| HR1605           | RTD1:S5 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1606           |                                   |        |        | HR1605 (Lo-16bits)                      |
| HR1607           | RTD1:S5 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1608           |                                   |        |        | HR1607 (Lo-16bits)                      |
| HR1609           | RTD1:S6 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1610           |                                   |        |        | HR1609 (Lo-16bits)                      |
| HR1611           | RTD1:S6 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                                                                    |
|------------------|--------------------------|--------|--------|--------------------------------------------------------------------|
| HR1612           |                          |        |        | HR1611 (Lo-16bits)                                                 |
| HR1613           | RTD1:S7 ALARM1 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1614           |                          |        |        | HR1613 (Lo-16bits)                                                 |
| HR1615           | RTD1:S7 ALARM2 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1616           |                          |        |        | HR1615 (Lo-16bits)                                                 |
| HR1617           | RTD1:S8 ALARM1 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1618           |                          |        |        | HR1617 (Lo-16bits)                                                 |
| HR1619           | RTD1:S8 ALARM2 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1620           |                          |        |        | HR1619 (Lo-16bits)                                                 |
| HR1621           | RTD1:S9 ALARM1 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1622           |                          |        |        | HR1621 (Lo-16bits)                                                 |
| HR1623           | RTD1:S9 ALARM2 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1624           |                          |        |        | HR1623 (Lo-16bits)                                                 |
| HR1625           | RTD1:S10 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1626           |                          |        |        | HR1625 (Lo-16bits)                                                 |
| HR1627           | RTD1:S10 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1628           |                          |        |        | HR1627 (Lo-16bits)                                                 |
| HR1629           | RTD1:S11 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1630           |                          |        |        | HR1629 (Lo-16bits)                                                 |
| HR1631           | RTD1:S11 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1632           |                          |        |        | HR1631 (Lo-16bits)                                                 |
| HR1633           | RTD1:S12 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1634           |                          |        |        | HR1633 (Lo-16bits)                                                 |
| HR1635           | VHZ1:V/Hz(2) > condition | R      | 1      | 0=Normal;1=VHz(2) Start;2=VHz(2) Alarm;3=VHz(2) Trip;4=VHz(2) Trip |
| HR1636           | RTD1:S12 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1637           |                          |        |        | HR1636 (Lo-16bits)                                                 |
| HR1638           | UIM2:Z<< condition       | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                                |
| HR1639           | RTD1:S1 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1640           |                          |        |        | HR1639 (Lo-16bits)                                                 |
| HR1641           | RTD1:S2 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |



| Holding Register | Parameter                  | Access | Length |                                         |
|------------------|----------------------------|--------|--------|-----------------------------------------|
| HR1642           |                            |        |        | HR1641 (Lo-16bits)                      |
| HR1643           | RTD1:S3 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1644           |                            |        |        | HR1643 (Lo-16bits)                      |
| HR1645           | RTD1:S4 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1646           |                            |        |        | HR1645 (Lo-16bits)                      |
| HR1647           | RTD1:S5 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1648           |                            |        |        | HR1647 (Lo-16bits)                      |
| HR1649           | RTD1:S6 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1650           |                            |        |        | HR1649 (Lo-16bits)                      |
| HR1651           | RTD1:S7 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1652           |                            |        |        | HR1651 (Lo-16bits)                      |
| HR1653           | RTD1:S8 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1654           |                            |        |        | HR1653 (Lo-16bits)                      |
| HR1655           | RTD1:S9 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1656           |                            |        |        | HR1655 (Lo-16bits)                      |
| HR1657           | RTD1:S10 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1658           |                            |        |        | HR1657 (Lo-16bits)                      |
| HR1659           | RTD1:S11 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1660           |                            |        |        | HR1659 (Lo-16bits)                      |
| HR1661           | RTD1:S12 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1662           |                            |        |        | HR1661 (Lo-16bits)                      |
| HR1663           | MBIO:MBIO ModA Ch1 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1664           |                            |        |        | HR1663 (Lo-16bits)                      |
| HR1665           | MBIO:MBIO ModA Ch2 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1666           |                            |        |        | HR1665 (Lo-16bits)                      |
| HR1667           | MBIO:MBIO ModA Ch3 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1668           |                            |        |        | HR1667 (Lo-16bits)                      |
| HR1669           | MBIO:MBIO ModA Ch4 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                                         |
|------------------|-------------------------------|--------|--------|-----------------------------------------|
| HR1670           |                               |        |        | HR1669 (Lo-16bits)                      |
| HR1671           | MBIO:MBIO ModA Ch5<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1672           |                               |        |        | HR1671 (Lo-16bits)                      |
| HR1673           | MBIO:MBIO ModA Ch6<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1674           |                               |        |        | HR1673 (Lo-16bits)                      |
| HR1675           | MBIO:MBIO ModA Ch7<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1676           |                               |        |        | HR1675 (Lo-16bits)                      |
| HR1677           | MBIO:MBIO ModA Ch8<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1678           |                               |        |        | HR1677 (Lo-16bits)                      |
| HR1679           | MBIO:MBIO ModB Ch1<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1680           |                               |        |        | HR1679 (Lo-16bits)                      |
| HR1681           | MBIO:MBIO ModB Ch2<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1682           |                               |        |        | HR1681 (Lo-16bits)                      |
| HR1683           | MBIO:MBIO ModB Ch3<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1684           |                               |        |        | HR1683 (Lo-16bits)                      |
| HR1685           | MBIO:MBIO ModB Ch4<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1686           |                               |        |        | HR1685 (Lo-16bits)                      |
| HR1687           | MBIO:MBIO ModB Ch5<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1688           |                               |        |        | HR1687 (Lo-16bits)                      |
| HR1689           | MBIO:MBIO ModB Ch6<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1690           |                               |        |        | HR1689 (Lo-16bits)                      |
| HR1691           | MBIO:MBIO ModB Ch7<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1692           |                               |        |        | HR1691 (Lo-16bits)                      |
| HR1693           | MBIO:MBIO ModB Ch8<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                                         |
|------------------|-------------------------------|--------|--------|-----------------------------------------|
| HR1694           |                               |        |        | HR1693 (Lo-16bits)                      |
| HR1695           | MBIO:MBIO ModC Ch1 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1696           |                               |        |        | HR1695 (Lo-16bits)                      |
| HR1697           | MBIO:MBIO ModC Ch2 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1698           |                               |        |        | HR1697 (Lo-16bits)                      |
| HR1699           | MBIO:MBIO ModC Ch3 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1700           |                               |        |        | HR1699 (Lo-16bits)                      |
| HR1701           | MBIO:MBIO ModC Ch4 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1702           |                               |        |        | HR1701 (Lo-16bits)                      |
| HR1703           | MBIO:MBIO ModC Ch5 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1704           |                               |        |        | HR1703 (Lo-16bits)                      |
| HR1705           | MBIO:MBIO ModC Ch6 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1706           |                               |        |        | HR1705 (Lo-16bits)                      |
| HR1707           | MBIO:MBIO ModC Ch7 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1708           |                               |        |        | HR1707 (Lo-16bits)                      |
| HR1709           | MBIO:MBIO ModC Ch8 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1710           |                               |        |        | HR1709 (Lo-16bits)                      |
| HR1711           | OBJ6:Object6 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1712           | OBJ7:Object7 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1713           | OBJ8:Object8 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1714           | OBJ9:Object9 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1715           | OBJ10:Object10 Breaker Status | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1716           | VRG1:Voltage now              | R      | 2      | FLOAT [0...140] (Hi-16bits)             |
| HR1717           |                               |        |        | HR1716 (Lo-16bits)                      |

| Holding Register | Parameter                             | Access | Length |                                          |
|------------------|---------------------------------------|--------|--------|------------------------------------------|
| HR1718           | VRG1:Voltage difference to set target | R      | 2      | FLOAT [-140...140] (Hi-16bits)           |
| HR1719           |                                       |        |        | HR1718 (Lo-16bits)                       |
| HR1720           | VRG1:Tap location now (-0 +)          | R      | 2      | FLOAT [-30...30] (Hi-16bits)             |
| HR1721           |                                       |        |        | HR1720 (Lo-16bits)                       |
| HR1722           | VRG1:Absolute tap location            | R      | 2      | FLOAT [0...50] (Hi-16bits)               |
| HR1723           |                                       |        |        | HR1722 (Lo-16bits)                       |
| HR1724           | VRG1:Control mode                     | R      | 1      | 0=Auto;1=Manual (loc&rem)                |
| HR1725           | VRG1:Remote tap control input         | RW     | 1      | 0=Stop;1=Lower;2=Higher                  |
| HR1726           | VJP1:<DELTA><alpha> > condition       | R      | 1      | 0=Normal;1=Blocked;2=Trip;3=Alarm        |
| HR1727           | LOGIC1:Logic out 1-32                 | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits)      |
| HR1728           |                                       |        |        | HR1727 (Lo-16bits)                       |
| HR1729           | PGS1:PS1 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1730           | VJP1:Voltage meas selected            | R      | 1      | 0=Selection Ok;1=Selection not available |
| HR1731           | PGS1:PS2 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1732           | PGS1:PS3 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1733           | PGS1:PS4 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1734           | PGS1:PS5 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1735           | PGS1:PS6 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1736           | PGS1:PS7 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1737           | PGS1:PS8 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1738           | PGS1:PS9 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1739           | PGS1:PS10 >/< condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1740           | ASC1:Curve1 Input                     | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1741           |                                       |        |        | HR1740 (Lo-16bits)                       |
| HR1742           | ASC1:Curve1 Output                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1743           |                                       |        |        | HR1742 (Lo-16bits)                       |
| HR1744           | ASC1:Curve2 Input                     | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1745           |                                       |        |        | HR1744 (Lo-16bits)                       |

| Holding Register | Parameter                            | Access | Length |                                         |
|------------------|--------------------------------------|--------|--------|-----------------------------------------|
| HR1746           | ASC1:Curve2 Output                   | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1747           |                                      |        |        | HR1746 (Lo-16bits)                      |
| HR1748           | ASC1:Curve3 Input                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1749           |                                      |        |        | HR1748 (Lo-16bits)                      |
| HR1750           | ASC1:Curve3 Output                   | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1751           |                                      |        |        | HR1750 (Lo-16bits)                      |
| HR1752           | ASC1:Curve4 Input                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1753           |                                      |        |        | HR1752 (Lo-16bits)                      |
| HR1754           | ASC1:Curve4 Output                   | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1755           |                                      |        |        | HR1754 (Lo-16bits)                      |
| HR1756           | PCS1:PCS1 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1757           |                                      |        |        | HR1756 (Lo-16bits)                      |
| HR1758           | PCS2:PCS2 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1759           |                                      |        |        | HR1758 (Lo-16bits)                      |
| HR1760           | PCS3:PCS3 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1761           |                                      |        |        | HR1760 (Lo-16bits)                      |
| HR1762           | PCS4:PCS4 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1763           |                                      |        |        | HR1762 (Lo-16bits)                      |
| HR1764           | PCS5:PCS5 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1765           |                                      |        |        | HR1764 (Lo-16bits)                      |
| HR1766           | AR1:Auto-recloser [79]<br>Mode       | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1767           | CTRL:Local/Remote status             | R      | 1      | 0=Remote;1=Local                        |
| HR1768           | RTD1:S13 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1769           |                                      |        |        | HR1768 (Lo-16bits)                      |
| HR1770           | RTD1:S14 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1771           |                                      |        |        | HR1770 (Lo-16bits)                      |
| HR1772           | RTD1:S15 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1773           |                                      |        |        | HR1772 (Lo-16bits)                      |

| Holding Register | Parameter                         | Access | Length |                                         |
|------------------|-----------------------------------|--------|--------|-----------------------------------------|
| HR1774           | RTD1:S16 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1775           |                                   |        |        | HR1774 (Lo-16bits)                      |
| HR1776           | RTD1:S13 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1777           |                                   |        |        | HR1776 (Lo-16bits)                      |
| HR1778           | RTD1:S13 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1779           |                                   |        |        | HR1778 (Lo-16bits)                      |
| HR1780           | RTD1:S13 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1781           |                                   |        |        | HR1780 (Lo-16bits)                      |
| HR1782           | RTD1:S14 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1783           |                                   |        |        | HR1782 (Lo-16bits)                      |
| HR1784           | RTD1:S14 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1785           |                                   |        |        | HR1784 (Lo-16bits)                      |
| HR1786           | RTD1:S14 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1787           |                                   |        |        | HR1786 (Lo-16bits)                      |
| HR1788           | RTD1:S15 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1789           |                                   |        |        | HR1788 (Lo-16bits)                      |
| HR1790           | RTD1:S15 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1791           |                                   |        |        | HR1790 (Lo-16bits)                      |
| HR1792           | RTD1:S15 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1793           |                                   |        |        | HR1792 (Lo-16bits)                      |
| HR1794           | RTD1:S16 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1795           |                                   |        |        | HR1794 (Lo-16bits)                      |
| HR1796           | RTD1:S16 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1797           |                                   |        |        | HR1796 (Lo-16bits)                      |
| HR1798           | RTD1:S16 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1799           |                                   |        |        | HR1798 (Lo-16bits)                      |
| HR1800           | GSYN:Synchronizer mode            | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1801           | GSYN:Magnitude difference         | R      | 2      | FLOAT [-200...200] (Hi-16bits)          |
| HR1802           |                                   |        |        | HR1801 (Lo-16bits)                      |

| Holding Register | Parameter                                | Access | Length |                                        |
|------------------|------------------------------------------|--------|--------|----------------------------------------|
| HR1803           | GSYN:Frequency difference                | R      | 2      | FLOAT [-100...100] (Hi-16bits)         |
| HR1804           |                                          |        |        | HR1803 (Lo-16bits)                     |
| HR1805           | GSYN:Angle difference                    | R      | 2      | FLOAT [-360...360] (Hi-16bits)         |
| HR1806           |                                          |        |        | HR1805 (Lo-16bits)                     |
| HR1807           | GSYN:Magnitude difference on closing BRK | R      | 2      | FLOAT [-200...200] (Hi-16bits)         |
| HR1808           |                                          |        |        | HR1807 (Lo-16bits)                     |
| HR1809           | GSYN:Frequency difference on closing BRK | R      | 2      | FLOAT [-100...100] (Hi-16bits)         |
| HR1810           |                                          |        |        | HR1809 (Lo-16bits)                     |
| HR1811           | GSYN:Angle difference on closing BRK     | R      | 2      | FLOAT [-360...360] (Hi-16bits)         |
| HR1812           |                                          |        |        | HR1811 (Lo-16bits)                     |
| HR1813           | GSYN:Synchronizing time left             | R      | 2      | FLOAT [0...1800] (Hi-16bits)           |
| HR1814           |                                          |        |        | HR1813 (Lo-16bits)                     |
| HR1815           | GSYN:Magnitude difference fine tune      | RW     | 2      | FLOAT [-200...200] (Hi-16bits)         |
| HR1816           |                                          |        |        | HR1815 (Lo-16bits)                     |
| HR1817           | GSYN:Frequency difference fine tune      | RW     | 2      | FLOAT [-100...100] (Hi-16bits)         |
| HR1818           |                                          |        |        | HR1817 (Lo-16bits)                     |
| HR1819           | GSYN:Angle difference fine tune          | RW     | 2      | FLOAT [-360...360] (Hi-16bits)         |
| HR1820           |                                          |        |        | HR1819 (Lo-16bits)                     |
| HR1821           | GSYN:Start Synchronizer                  | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1822           |                                          |        |        | HR1821 (Lo-16bits)                     |
| HR1823           | GSYN:Stop Synchronizer                   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1824           |                                          |        |        | HR1823 (Lo-16bits)                     |
| HR1825           | GSYN:Block and Interrupt Synchronizing   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1826           |                                          |        |        | HR1825 (Lo-16bits)                     |
| HR1827           | GSYN:Breaker Closed                      | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1828           |                                          |        |        | HR1827 (Lo-16bits)                     |

| Holding Register | Parameter                            | Access | Length |                                         |
|------------------|--------------------------------------|--------|--------|-----------------------------------------|
| HR1829           | GSYN:GSYN Voltage Mag.Difference Ok  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1830           |                                      |        |        | HR1829 (Lo-16bits)                      |
| HR1831           | GSYN:GSYN Voltage Freq.Difference Ok | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1832           |                                      |        |        | HR1831 (Lo-16bits)                      |
| HR1833           | GSYN:GSYN Voltage Ang.Difference Ok  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1834           |                                      |        |        | HR1833 (Lo-16bits)                      |
| HR1835           | GSYN:GSYN Blocked                    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1836           |                                      |        |        | HR1835 (Lo-16bits)                      |
| HR1837           | GSYN:GSYN Running                    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1838           |                                      |        |        | HR1837 (Lo-16bits)                      |
| HR1839           | GSYN:GSYN Increase Voltage           | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1840           |                                      |        |        | HR1839 (Lo-16bits)                      |
| HR1841           | GSYN:GSYN Decrease Voltage           | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1842           |                                      |        |        | HR1841 (Lo-16bits)                      |
| HR1843           | GSYN:GSYN Increase Frequency         | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1844           |                                      |        |        | HR1843 (Lo-16bits)                      |
| HR1845           | GSYN:GSYN Decrease Frequency         | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1846           |                                      |        |        | HR1845 (Lo-16bits)                      |
| HR1847           | GSYN:GSYN Breaker Close Pulse        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1848           |                                      |        |        | HR1847 (Lo-16bits)                      |
| HR1849           | GSYN:GSYN Long Sync Time             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1850           |                                      |        |        | HR1849 (Lo-16bits)                      |
| HR1851           | VREC:Measurement value recorder mode | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1852           | VREC:Scale current values to primary | RW     | 1      | 0=No;1=Yes                              |



| Holding Register | Parameter                                                         | Access | Length |                                          |
|------------------|-------------------------------------------------------------------|--------|--------|------------------------------------------|
| HR1853           | VREC:Record fault types (Overcurrent & Voltage Over/Under) faults | RW     | 1      | 0=No;1=Yes                               |
| HR1854           | VREC:Trigger register to memory                                   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)   |
| HR1855           |                                                                   |        |        | HR1854 (Lo-16bits)                       |
| HR1856           | VREC:VREC Magnitude 1                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1857           |                                                                   |        |        | HR1856 (Lo-16bits)                       |
| HR1858           | VREC:VREC Magnitude 2                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1859           |                                                                   |        |        | HR1858 (Lo-16bits)                       |
| HR1860           | VREC:VREC Magnitude 3                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1861           |                                                                   |        |        | HR1860 (Lo-16bits)                       |
| HR1862           | VREC:VREC Magnitude 4                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1863           |                                                                   |        |        | HR1862 (Lo-16bits)                       |
| HR1864           | VREC:VREC Magnitude 5                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1865           |                                                                   |        |        | HR1864 (Lo-16bits)                       |
| HR1866           | VREC:VREC Magnitude 6                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1867           |                                                                   |        |        | HR1866 (Lo-16bits)                       |
| HR1868           | VREC:VREC Magnitude 7                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1869           |                                                                   |        |        | HR1868 (Lo-16bits)                       |
| HR1870           | VREC:VREC Magnitude 8                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1871           |                                                                   |        |        | HR1870 (Lo-16bits)                       |
| HR1872           | RTB:Measurement value recorder mode                               | RW     | 1      | 0=Disabled;1=Activated                   |
| HR1873           | RTB:Scale current values to primary                               | RW     | 1      | 0=No;1=Yes                               |
| HR1874           | RTB:RTS to bus Magnitude 1                                        | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1875           |                                                                   |        |        | HR1874 (Lo-16bits)                       |
| HR1876           | RTB:RTS to bus Magnitude 2                                        | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1877           |                                                                   |        |        | HR1876 (Lo-16bits)                       |
| HR1878           | RTB:RTS to bus Magnitude 3                                        | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |

| Holding Register | Parameter                                 | Access | Length |                                          |
|------------------|-------------------------------------------|--------|--------|------------------------------------------|
| HR1879           |                                           |        |        | HR1878 (Lo-16bits)                       |
| HR1880           | RTB:RTS to bus Magnitude 4                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1881           |                                           |        |        | HR1880 (Lo-16bits)                       |
| HR1882           | RTB:RTS to bus Magnitude 5                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1883           |                                           |        |        | HR1882 (Lo-16bits)                       |
| HR1884           | RTB:RTS to bus Magnitude 6                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1885           |                                           |        |        | HR1884 (Lo-16bits)                       |
| HR1886           | RTB:RTS to bus Magnitude 7                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1887           |                                           |        |        | HR1886 (Lo-16bits)                       |
| HR1888           | RTB:RTS to bus Magnitude 8                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1889           |                                           |        |        | HR1888 (Lo-16bits)                       |
| HR1890           | AOUT:mA In Channel 1                      | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1891           |                                           |        |        | HR1890 (Lo-16bits)                       |
| HR1892           | AOUT:mA In Channel 2                      | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1893           |                                           |        |        | HR1892 (Lo-16bits)                       |
| HR1894           | AOUT:mA Out Channel 1 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1895           |                                           |        |        | HR1894 (Lo-16bits)                       |
| HR1896           | AOUT:mA Out Channel 1 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1897           |                                           |        |        | HR1896 (Lo-16bits)                       |
| HR1898           | AOUT:mA Out Channel 2 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1899           |                                           |        |        | HR1898 (Lo-16bits)                       |
| HR1900           | AOUT:mA Out Channel 2 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1901           |                                           |        |        | HR1900 (Lo-16bits)                       |
| HR1902           | AOUT:mA Out Channel 3 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1903           |                                           |        |        | HR1902 (Lo-16bits)                       |

| Holding Register | Parameter                                 | Access | Length |                                          |
|------------------|-------------------------------------------|--------|--------|------------------------------------------|
| HR1904           | AOUT:mA Out Channel 3 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1905           |                                           |        |        | HR1904 (Lo-16bits)                       |
| HR1906           | AOUT:mA Out Channel 4 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1907           |                                           |        |        | HR1906 (Lo-16bits)                       |
| HR1908           | AOUT:mA Out Channel 4 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1909           |                                           |        |        | HR1908 (Lo-16bits)                       |
| HR1910           | AOUT:mA Out Channel 5 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1911           |                                           |        |        | HR1910 (Lo-16bits)                       |
| HR1912           | AOUT:mA Out Channel 5 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1913           |                                           |        |        | HR1912 (Lo-16bits)                       |
| HR1914           | AOUT:mA Out Channel 6 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1915           |                                           |        |        | HR1914 (Lo-16bits)                       |
| HR1916           | AOUT:mA Out Channel 6 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1917           |                                           |        |        | HR1916 (Lo-16bits)                       |
| HR1918           | AOUT:mA Out Channel 7 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1919           |                                           |        |        | HR1918 (Lo-16bits)                       |
| HR1920           | AOUT:mA Out Channel 7 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1921           |                                           |        |        | HR1920 (Lo-16bits)                       |
| HR1922           | AOUT:mA Out Channel 8 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1923           |                                           |        |        | HR1922 (Lo-16bits)                       |
| HR1924           | AOUT:mA Out Channel 8 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1925           |                                           |        |        | HR1924 (Lo-16bits)                       |
| HR1926           | RTDIN:S1 Resistance                       | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |
| HR1927           |                                           |        |        | HR1926 (Lo-16bits)                       |
| HR1928           | RTDIN:S2 Resistance                       | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |

| Holding Register | Parameter                       | Access | Length |                                  |
|------------------|---------------------------------|--------|--------|----------------------------------|
| HR1929           |                                 |        |        | HR1928 (Lo-16bits)               |
| HR1930           | RTDIN:S3 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1931           |                                 |        |        | HR1930 (Lo-16bits)               |
| HR1932           | RTDIN:S4 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1933           |                                 |        |        | HR1932 (Lo-16bits)               |
| HR1934           | RTDIN:S5 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1935           |                                 |        |        | HR1934 (Lo-16bits)               |
| HR1936           | RTDIN:S6 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1937           |                                 |        |        | HR1936 (Lo-16bits)               |
| HR1938           | RTDIN:S7 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1939           |                                 |        |        | HR1938 (Lo-16bits)               |
| HR1940           | RTDIN:S8 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1941           |                                 |        |        | HR1940 (Lo-16bits)               |
| HR1942           | RTDIN:S9 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1943           |                                 |        |        | HR1942 (Lo-16bits)               |
| HR1944           | RTDIN:S10 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1945           |                                 |        |        | HR1944 (Lo-16bits)               |
| HR1946           | RTDIN:S11 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1947           |                                 |        |        | HR1946 (Lo-16bits)               |
| HR1948           | RTDIN:S12 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1949           |                                 |        |        | HR1948 (Lo-16bits)               |
| HR1950           | RTDIN:S13 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1951           |                                 |        |        | HR1950 (Lo-16bits)               |
| HR1952           | RTDIN:S14 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1953           |                                 |        |        | HR1952 (Lo-16bits)               |
| HR1954           | RTDIN:S15 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1955           |                                 |        |        | HR1954 (Lo-16bits)               |
| HR1956           | RTDIN:S16 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1957           |                                 |        |        | HR1956 (Lo-16bits)               |
| HR1958           | GSYN:Estimated BRK Closing time | R      | 2      | FLOAT [0...360] (Hi-16bits)      |

| Holding Register | Parameter                                    | Access | Length |                                                                   |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------|
| HR1959           |                                              |        |        | HR1958 (Lo-16bits)                                                |
| HR1960           | GSYN:Networks rotating time                  | R      | 2      | FLOAT [0...360] (Hi-16bits)                                       |
| HR1961           |                                              |        |        | HR1960 (Lo-16bits)                                                |
| HR1962           | GSYN:Networks placement atm                  | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                    |
| HR1963           |                                              |        |        | HR1962 (Lo-16bits)                                                |
| HR1964           | SYN1:Estimated BRK Closing time              | R      | 2      | FLOAT [0...360] (Hi-16bits)                                       |
| HR1965           |                                              |        |        | HR1964 (Lo-16bits)                                                |
| HR1966           | SYN1:Networks rotating time                  | R      | 2      | FLOAT [0...360] (Hi-16bits)                                       |
| HR1967           |                                              |        |        | HR1966 (Lo-16bits)                                                |
| HR1968           | SYN1:Networks placement atm                  | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                    |
| HR1969           |                                              |        |        | HR1968 (Lo-16bits)                                                |
| HR1970           | NOC1: > Phases condition                     | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip C |
| HR1971           | NOC1: > Last fault end with                  | R      | 1      | 0=No Faults;1=Start;2=Trip                                        |
| HR1972           | NOC1: > Last fault type                      | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                   |
| HR1973           | NOC1: > Last fault IA current (pri)          | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1974           |                                              |        |        | HR1973 (Lo-16bits)                                                |
| HR1975           | NOC1: > Last fault IB current (pri)          | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1976           |                                              |        |        | HR1975 (Lo-16bits)                                                |
| HR1977           | NOC1: > Last fault IC current (pri)          | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1978           |                                              |        |        | HR1977 (Lo-16bits)                                                |
| HR1979           | NOC1:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                      |
| HR1980           |                                              |        |        | HR1979 (Lo-16bits)                                                |
| HR1981           | NOC1:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                       |
| HR1982           | NOC1:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                      |
| HR1983           |                                              |        |        | HR1982 (Lo-16bits)                                                |
| HR1984           | NOC1:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                       |

| Holding Register | Parameter                            | Access | Length |                                                                 |
|------------------|--------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR1985           | NOC1:Delay characteristics IEC       | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR1986           | NOC1:Delay char. ANSI/IEEE           | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR1987           | NOC1:Non standard Delay char.        | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR1988           | NOC1:Time dial setting k             | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR1989           |                                      |        |        | HR1988 (Lo-16bits)                                              |
| HR1990           | NOC1:IDMT Const. A                   | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1991           |                                      |        |        | HR1990 (Lo-16bits)                                              |
| HR1992           | NOC1:IDMT Const. B                   | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1993           |                                      |        |        | HR1992 (Lo-16bits)                                              |
| HR1994           | NOC1:IDMT Const. C                   | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1995           |                                      |        |        | HR1994 (Lo-16bits)                                              |
| HR1996           | NOC1:Select SG                       | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR1997           | NOC1:Write settings to selected SG   | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR1998           | NOC2: >> Phases condition            | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR1999           | NOC2: >> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR2000           | NOC2: >> Last fault type             | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR2001           | NOC2: >> Last fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2002           |                                      |        |        | HR2001 (Lo-16bits)                                              |
| HR2003           | NOC2: >> Last fault IB current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2004           |                                      |        |        | HR2003 (Lo-16bits)                                              |
| HR2005           | NOC2: >> Last fault IC current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2006           |                                      |        |        | HR2005 (Lo-16bits)                                              |
| HR2007           | NOC2:Pick-up setting Iset            | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                    |
| HR2008           |                                      |        |        | HR2007 (Lo-16bits)                                              |
| HR2009           | NOC2:Delay type                      | RW     | 1      | 0=DT;1>IDMT                                                     |

| Holding Register | Parameter                                    | Access | Length |                                                                 |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2010           | NOC2:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                    |
| HR2011           |                                              |        |        | HR2010 (Lo-16bits)                                              |
| HR2012           | NOC2:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR2013           | NOC2:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR2014           | NOC2:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR2015           | NOC2:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR2016           | NOC2:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR2017           |                                              |        |        | HR2016 (Lo-16bits)                                              |
| HR2018           | NOC2:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2019           |                                              |        |        | HR2018 (Lo-16bits)                                              |
| HR2020           | NOC2:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2021           |                                              |        |        | HR2020 (Lo-16bits)                                              |
| HR2022           | NOC2:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2023           |                                              |        |        | HR2022 (Lo-16bits)                                              |
| HR2024           | NOC2:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR2025           | NOC2:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR2026           | NOC3: >>> Phases condition                   | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR2027           | NOC3: >>> Last fault end with                | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR2028           | NOC3: >>> Last fault type                    | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR2029           | NOC3: >>> Last fault IA current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2030           |                                              |        |        | HR2029 (Lo-16bits)                                              |
| HR2031           | NOC3: >>> Last fault IB current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2032           |                                              |        |        | HR2031 (Lo-16bits)                                              |
| HR2033           | NOC3: >>> Last fault IC current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2034           |                                              |        |        | HR2033 (Lo-16bits)                                              |

| Holding Register | Parameter                                    | Access | Length |                                                                 |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2035           | NOC3:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                    |
| HR2036           |                                              |        |        | HR2035 (Lo-16bits)                                              |
| HR2037           | NOC3:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                     |
| HR2038           | NOC3:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                    |
| HR2039           |                                              |        |        | HR2038 (Lo-16bits)                                              |
| HR2040           | NOC3:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR2041           | NOC3:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR2042           | NOC3:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR2043           | NOC3:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR2044           | NOC3:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR2045           |                                              |        |        | HR2044 (Lo-16bits)                                              |
| HR2046           | NOC3:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2047           |                                              |        |        | HR2046 (Lo-16bits)                                              |
| HR2048           | NOC3:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2049           |                                              |        |        | HR2048 (Lo-16bits)                                              |
| HR2050           | NOC3:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2051           |                                              |        |        | HR2050 (Lo-16bits)                                              |
| HR2052           | NOC3:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR2053           | NOC3:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR2054           | NOC4:I>>>> Phases condition                  | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR2055           | NOC4:I>>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR2056           | NOC4:I>>>> Last fault type                   | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR2057           | NOC4:I>>>> Last fault IA current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2058           |                                              |        |        | HR2057 (Lo-16bits)                                              |
| HR2059           | NOC4:I>>>> Last fault IB current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2060           |                                              |        |        | HR2059 (Lo-16bits)                                              |



| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2061           | NOC4: >>>> Last fault IC current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2062           |                                              |        |        | HR2061 (Lo-16bits)                                          |
| HR2063           | NOC4:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2064           |                                              |        |        | HR2063 (Lo-16bits)                                          |
| HR2065           | NOC4:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2066           | NOC4:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2067           |                                              |        |        | HR2066 (Lo-16bits)                                          |
| HR2068           | NOC4:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2069           | NOC4:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2070           | NOC4:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2071           | NOC4:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2072           | NOC4:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2073           |                                              |        |        | HR2072 (Lo-16bits)                                          |
| HR2074           | NOC4:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2075           |                                              |        |        | HR2074 (Lo-16bits)                                          |
| HR2076           | NOC4:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2077           |                                              |        |        | HR2076 (Lo-16bits)                                          |
| HR2078           | NOC4:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2079           |                                              |        |        | HR2078 (Lo-16bits)                                          |
| HR2080           | NOC4:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2081           | NOC4:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2082           | DOC1: dir> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2083           | DOC1: dir> Last fault type                   | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C             |
| HR2084           | DOC1: dir> Last fault angle                  | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)                        |
| HR2085           |                                              |        |        | HR2084 (Lo-16bits)                                          |
| HR2086           | DOC1: dir> Last fault IA current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |

| Holding Register | Parameter                                | Access | Length |                                                 |
|------------------|------------------------------------------|--------|--------|-------------------------------------------------|
| HR2087           |                                          |        |        | HR2086 (Lo-16bits)                              |
| HR2088           | DOC1:ldir> Last fault IB current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2089           |                                          |        |        | HR2088 (Lo-16bits)                              |
| HR2090           | DOC1:ldir> Last fault IC current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2091           |                                          |        |        | HR2090 (Lo-16bits)                              |
| HR2092           | DOC2:ldir>> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2093           | DOC2:ldir>> Last fault type              | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR2094           | DOC2:ldir>> Last fault angle             | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR2095           |                                          |        |        | HR2094 (Lo-16bits)                              |
| HR2096           | DOC2:ldir>> Last fault IA current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2097           |                                          |        |        | HR2096 (Lo-16bits)                              |
| HR2098           | DOC2:ldir>> Last fault IB current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2099           |                                          |        |        | HR2098 (Lo-16bits)                              |
| HR2100           | DOC2:ldir>> Last fault IC current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2101           |                                          |        |        | HR2100 (Lo-16bits)                              |
| HR2102           | DOC3:ldir>>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2103           | DOC3:ldir>>> Last fault type             | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR2104           | DOC3:ldir>>> Last fault angle            | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR2105           |                                          |        |        | HR2104 (Lo-16bits)                              |
| HR2106           | DOC3:ldir>>> Last fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2107           |                                          |        |        | HR2106 (Lo-16bits)                              |
| HR2108           | DOC3:ldir>>> Last fault IB current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2109           |                                          |        |        | HR2108 (Lo-16bits)                              |
| HR2110           | DOC3:ldir>>> Last fault IC current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2111           |                                              |        |        | HR2110 (Lo-16bits)                                          |
| HR2112           | DOC4:ldir>>> Last fault end with             | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2113           | DOC4:ldir>>> Last fault type                 | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C             |
| HR2114           | DOC4:ldir>>> Last fault angle                | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)                        |
| HR2115           |                                              |        |        | HR2114 (Lo-16bits)                                          |
| HR2116           | DOC4:ldir>>> Last fault IA current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2117           |                                              |        |        | HR2116 (Lo-16bits)                                          |
| HR2118           | DOC4:ldir>>> Last fault IB current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2119           |                                              |        |        | HR2118 (Lo-16bits)                                          |
| HR2120           | DOC4:ldir>>> Last fault IC current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2121           |                                              |        |        | HR2120 (Lo-16bits)                                          |
| HR2122           | NEF1:I0> Last fault end with                 | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2123           | NEF1:I0> Last fault I0 current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2124           |                                              |        |        | HR2123 (Lo-16bits)                                          |
| HR2125           | NEF1:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2126           |                                              |        |        | HR2125 (Lo-16bits)                                          |
| HR2127           | NEF1:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2128           | NEF1:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2129           |                                              |        |        | HR2128 (Lo-16bits)                                          |
| HR2130           | NEF1:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2131           | NEF1:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2132           | NEF1:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2133           | NEF1:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2134           | NEF1:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2135           |                                              |        |        | HR2134 (Lo-16bits)                                          |
| HR2136           | NEF1:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2137           |                                              |        |        | HR2136 (Lo-16bits)                                          |
| HR2138           | NEF1:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2139           |                                              |        |        | HR2138 (Lo-16bits)                                          |
| HR2140           | NEF1:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2141           |                                              |        |        | HR2140 (Lo-16bits)                                          |
| HR2142           | NEF1:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2143           | NEF1:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2144           | NEF2:I0>> Last fault end with                | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2145           | NEF2:I0>> Last fault I0 current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2146           |                                              |        |        | HR2145 (Lo-16bits)                                          |
| HR2147           | NEF2:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2148           |                                              |        |        | HR2147 (Lo-16bits)                                          |
| HR2149           | NEF2:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2150           | NEF2:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2151           |                                              |        |        | HR2150 (Lo-16bits)                                          |
| HR2152           | NEF2:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2153           | NEF2:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2154           | NEF2:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2155           | NEF2:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2156           | NEF2:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2157           |                                              |        |        | HR2156 (Lo-16bits)                                          |
| HR2158           | NEF2:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2159           |                                              |        |        | HR2158 (Lo-16bits)                                          |
| HR2160           | NEF2:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2161           |                                              |        |        | HR2160 (Lo-16bits)                                          |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2162           | NEF2:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2163           |                                              |        |        | HR2162 (Lo-16bits)                                          |
| HR2164           | NEF2:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2165           | NEF2:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2166           | NEF3:I0>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2167           | NEF3:I0>>> Last fault I0 current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2168           |                                              |        |        | HR2167 (Lo-16bits)                                          |
| HR2169           | NEF3:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2170           |                                              |        |        | HR2169 (Lo-16bits)                                          |
| HR2171           | NEF3:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2172           | NEF3:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2173           |                                              |        |        | HR2172 (Lo-16bits)                                          |
| HR2174           | NEF3:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2175           | NEF3:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2176           | NEF3:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2177           | NEF3:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2178           | NEF3:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2179           |                                              |        |        | HR2178 (Lo-16bits)                                          |
| HR2180           | NEF3:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2181           |                                              |        |        | HR2180 (Lo-16bits)                                          |
| HR2182           | NEF3:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2183           |                                              |        |        | HR2182 (Lo-16bits)                                          |
| HR2184           | NEF3:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2185           |                                              |        |        | HR2184 (Lo-16bits)                                          |
| HR2186           | NEF3:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2187           | NEF3:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2188           | NEF4:I0>>>> Last fault end with              | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2189           | NEF4:I0>>>> Last fault I0 current (pri)      | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2190           |                                              |        |        | HR2189 (Lo-16bits)                                          |
| HR2191           | NEF4:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2192           |                                              |        |        | HR2191 (Lo-16bits)                                          |
| HR2193           | NEF4:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2194           | NEF4:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2195           |                                              |        |        | HR2194 (Lo-16bits)                                          |
| HR2196           | NEF4:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2197           | NEF4:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2198           | NEF4:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2199           | NEF4:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2200           | NEF4:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2201           |                                              |        |        | HR2200 (Lo-16bits)                                          |
| HR2202           | NEF4:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2203           |                                              |        |        | HR2202 (Lo-16bits)                                          |
| HR2204           | NEF4:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2205           |                                              |        |        | HR2204 (Lo-16bits)                                          |
| HR2206           | NEF4:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2207           |                                              |        |        | HR2206 (Lo-16bits)                                          |
| HR2208           | NEF4>Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2209           | NEF4:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2210           | DEF1:I0dir> Last fault end with              | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2211           | DEF1:I0dir> Last fault angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)                              |
| HR2212           |                                              |        |        | HR2211 (Lo-16bits)                                          |
| HR2213           | DEF1:I0dir> Last fault I0 current (pri)      | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |

| Holding Register | Parameter                                  | Access | Length |                                 |
|------------------|--------------------------------------------|--------|--------|---------------------------------|
| HR2214           |                                            |        |        | HR2213 (Lo-16bits)              |
| HR2215           | DEF1:I0dir> Last fault U0(%)               | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2216           |                                            |        |        | HR2215 (Lo-16bits)              |
| HR2217           | DEF2:I0dir>> Last fault end with           | R      | 1      | 0=No Faults;1=Start;2=Trip      |
| HR2218           | DEF2:I0dir>> Last fault angle              | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR2219           |                                            |        |        | HR2218 (Lo-16bits)              |
| HR2220           | DEF2:I0dir>> Last fault I0 current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2221           |                                            |        |        | HR2220 (Lo-16bits)              |
| HR2222           | DEF2:I0dir>> Last fault U0(%)              | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2223           |                                            |        |        | HR2222 (Lo-16bits)              |
| HR2224           | DEF3:I0dir>>> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip      |
| HR2225           | DEF3:I0dir>>> Last fault angle             | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR2226           |                                            |        |        | HR2225 (Lo-16bits)              |
| HR2227           | DEF3:I0dir>>> Last fault I0 current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2228           |                                            |        |        | HR2227 (Lo-16bits)              |
| HR2229           | DEF3:I0dir>>> Last fault U0(%)             | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2230           |                                            |        |        | HR2229 (Lo-16bits)              |
| HR2231           | DEF4:I0dir>>>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip      |
| HR2232           | DEF4:I0dir>>>> Last fault angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR2233           |                                            |        |        | HR2232 (Lo-16bits)              |
| HR2234           | DEF4:I0dir>>>> Last fault I0 current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2235           |                                            |        |        | HR2234 (Lo-16bits)              |
| HR2236           | DEF4:I0dir>>>> Last fault U0(%)            | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR2237           |                                            |        |        | HR2236 (Lo-16bits)              |

| Holding Register | Parameter                        | Access | Length |                                                                 |
|------------------|----------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2238           | RHC1:Counter is now              | R      | 1      | 0=Idle;1=Counting                                               |
| HR2239           | RHC1:Running hours               | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits)                             |
| HR2240           |                                  |        |        | HR2239 (Lo-16bits)                                              |
| HR2241           | RTDIN:S1 Sensor                  | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2242           | RTDIN:S2 Sensor                  | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2243           | RTDIN:S3 Sensor                  | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2244           | RTDIN:S4 Sensor                  | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2245           | RTDIN:S5 Sensor                  | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2246           | RTDIN:S6 Sensor                  | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2247           | RTDIN:S7 Sensor                  | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2248           | RTDIN:S8 Sensor                  | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2249           | RTDIN:S9 Sensor                  | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2250           | RTDIN:S10 Sensor                 | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2251           | RTDIN:S11 Sensor                 | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2252           | RTDIN:S12 Sensor                 | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2253           | RTDIN:S13 Sensor                 | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2254           | RTDIN:S14 Sensor                 | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2255           | RTDIN:S15 Sensor                 | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2256           | RTDIN:S16 Sensor                 | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit           |
| HR2257           | TOLM1:TM> Setting alarm          | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2258           | TOLM1:TM> Setting alarm          | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2259           | TOLM1:TM> Setting alarm          | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2260           | TOLM1:TM> Setting alarm          | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2261           | MEAS2:MEAS2 IL ang. Ref          | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                  |
| HR2262           |                                  |        |        | HR2261 (Lo-16bits)                                              |
| HR2263           | IMERX:IL1 Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                            |
| HR2264           |                                  |        |        | HR2263 (Lo-16bits)                                              |
| HR2265           | IMERX:IL1 Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                            |
| HR2266           |                                  |        |        | HR2265 (Lo-16bits)                                              |



| Holding Register | Parameter                                 | Access | Length |                                      |
|------------------|-------------------------------------------|--------|--------|--------------------------------------|
| HR2267           | IMERX:IL2 Resistive Current Pri.          | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2268           |                                           |        |        | HR2267 (Lo-16bits)                   |
| HR2269           | IMERX:IL2 Reactive Current Pri.           | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2270           |                                           |        |        | HR2269 (Lo-16bits)                   |
| HR2271           | IMERX:IL3 Resistive Current Pri.          | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2272           |                                           |        |        | HR2271 (Lo-16bits)                   |
| HR2273           | IMERX:IL3 Reactive Current Pri.           | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2274           |                                           |        |        | HR2273 (Lo-16bits)                   |
| HR2275           | IMERX:Pos.seq. Resistive Current Pri.     | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2276           |                                           |        |        | HR2275 (Lo-16bits)                   |
| HR2277           | IMERX:Pos.Seq. Reactive Current Pri.      | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2278           |                                           |        |        | HR2277 (Lo-16bits)                   |
| HR2279           | IMERX:I01 Residual Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2280           |                                           |        |        | HR2279 (Lo-16bits)                   |
| HR2281           | IMERX:I01 Residual Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2282           |                                           |        |        | HR2281 (Lo-16bits)                   |
| HR2283           | IMERX:I02 Residual Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2284           |                                           |        |        | HR2283 (Lo-16bits)                   |
| HR2285           | IMERX:I02 Residual Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2286           |                                           |        |        | HR2285 (Lo-16bits)                   |
| HR2287           | IMERX:I01 Residual Resistive Current Sec. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2288           |                                           |        |        | HR2287 (Lo-16bits)                   |
| HR2289           | IMERX:I01 Residual Reactive Current Sec.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2290           |                                           |        |        | HR2289 (Lo-16bits)                   |

| Holding Register | Parameter                                         | Access | Length |                                        |
|------------------|---------------------------------------------------|--------|--------|----------------------------------------|
| HR2291           | IMERX:I02 Residual Resistive Current Sec.         | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2292           |                                                   |        |        | HR2291 (Lo-16bits)                     |
| HR2293           | IMERX:I02 Residual Reactive Current Sec.          | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2294           |                                                   |        |        | HR2293 (Lo-16bits)                     |
| HR2295           | POW1:3PH PF                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR2296           |                                                   |        |        | HR2295 (Lo-16bits)                     |
| HR2297           | FREQS:f atm. Display (when not measurable is 0Hz) | R      | 2      | FLOAT [0...75] (Hi-16bits)             |
| HR2298           |                                                   |        |        | HR2297 (Lo-16bits)                     |
| HR2299           | ROC1:ldrw> condition                              | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2300           | ROC1:ldrw> Current direction                      | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2301           | ROC2:ldrw>> condition                             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2302           | ROC2:ldrw>> Current direction                     | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2303           | ROC3:ldrw>>> condition                            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2304           | ROC3:ldrw>>> Current direction                    | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2305           | ROC4:ldrw>>>> condition                           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2306           | ROC4:ldrw>>>> Current direction                   | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2307           | ROC5:ldrw>>>>> condition                          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2308           | ROC5:ldrw>>>>> Current direction                  | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2309           | ROC6:ldrw>>>>>> condition                         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2310           | ROC6:ldrw>>>>>> Current direction                 | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2311           | ROC7:ldrw>>>>>>> condition                        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2312           | ROC7:ldrw>>>>>>> Current direction                | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2313           | ROC8:ldrw>>>>>>>> condition                       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |

| Holding Register | Parameter                              | Access | Length |                                                                 |
|------------------|----------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2314           | ROC8:ldrw>>>>>>>><br>Current direction | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR2315           | ROV1:Urw>/< condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2316           | ROV2:Urw>>/<< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2317           | ROV3:Urw>>>/<<< condition              | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2318           | ROV4:Urw>>>>/<<<< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR2319           | UCP1:IUC> condition                    | R      | 1      | 0=Normal;1=Blocked;2=Start On (Alarm);3=Start On (Alarm & Trip) |
| HR2320           | PWR1:PQS>/< condition                  | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |
| HR2321           | PWR2:PQS>>/<< condition                | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |
| HR2322           | PWR3:PQS>>>/<<< condition              | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |
| HR2323           | PWR4:PQS>>>>/<<<< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                             |
| HR2324           | RTDIN:S1 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2325           |                                        |        |        | HR2324 (Lo-16bits)                                              |
| HR2326           | RTDIN:S2 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2327           |                                        |        |        | HR2326 (Lo-16bits)                                              |
| HR2328           | RTDIN:S3 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2329           |                                        |        |        | HR2328 (Lo-16bits)                                              |
| HR2330           | RTDIN:S4 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2331           |                                        |        |        | HR2330 (Lo-16bits)                                              |
| HR2332           | RTDIN:S5 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2333           |                                        |        |        | HR2332 (Lo-16bits)                                              |
| HR2334           | RTDIN:S6 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2335           |                                        |        |        | HR2334 (Lo-16bits)                                              |
| HR2336           | RTDIN:S7 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                             |
| HR2337           |                                        |        |        | HR2336 (Lo-16bits)                                              |

| Holding Register | Parameter                      | Access | Length |                                     |
|------------------|--------------------------------|--------|--------|-------------------------------------|
| HR2338           | RTDIN:S8 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2339           |                                |        |        | HR2338 (Lo-16bits)                  |
| HR2340           | RTDIN:S9 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2341           |                                |        |        | HR2340 (Lo-16bits)                  |
| HR2342           | RTDIN:S10 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2343           |                                |        |        | HR2342 (Lo-16bits)                  |
| HR2344           | RTDIN:S11 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2345           |                                |        |        | HR2344 (Lo-16bits)                  |
| HR2346           | RTDIN:S12 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2347           |                                |        |        | HR2346 (Lo-16bits)                  |
| HR2348           | RTDIN:S13 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2349           |                                |        |        | HR2348 (Lo-16bits)                  |
| HR2350           | RTDIN:S14 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2351           |                                |        |        | HR2350 (Lo-16bits)                  |
| HR2352           | RTDIN:S15 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2353           |                                |        |        | HR2352 (Lo-16bits)                  |
| HR2354           | RTDIN:S16 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2355           |                                |        |        | HR2354 (Lo-16bits)                  |
| HR2356           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2357           |                                |        |        | HR2356 (Lo-16bits)                  |
| HR2358           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2359           |                                |        |        | HR2358 (Lo-16bits)                  |
| HR2360           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2361           |                                |        |        | HR2360 (Lo-16bits)                  |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR2362           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2363           |                            |        |        | HR2362 (Lo-16bits)           |
| HR2364           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2365           |                            |        |        | HR2364 (Lo-16bits)           |
| HR2366           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2367           |                            |        |        | HR2366 (Lo-16bits)           |
| HR2368           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2369           |                            |        |        | HR2368 (Lo-16bits)           |
| HR2370           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2371           |                            |        |        | HR2370 (Lo-16bits)           |
| HR2372           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2373           |                            |        |        | HR2372 (Lo-16bits)           |
| HR2374           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2375           |                            |        |        | HR2374 (Lo-16bits)           |
| HR2376           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2377           |                            |        |        | HR2376 (Lo-16bits)           |
| HR2378           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2379           |                            |        |        | HR2378 (Lo-16bits)           |
| HR2380           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2381           |                            |        |        | HR2380 (Lo-16bits)           |
| HR2382           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2383           |                            |        |        | HR2382 (Lo-16bits)           |
| HR2384           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2385           |                            |        |        | HR2384 (Lo-16bits)           |
| HR2386           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2387           |                            |        |        | HR2386 (Lo-16bits)           |
| HR2388           | VRG1:U< setting (-UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2389           |                            |        |        | HR2388 (Lo-16bits)           |

| Holding Register | Parameter                | Access | Length |                              |
|------------------|--------------------------|--------|--------|------------------------------|
| HR2390           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2391           |                          |        |        | HR2390 (Lo-16bits)           |
| HR2392           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2393           |                          |        |        | HR2392 (Lo-16bits)           |
| HR2394           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2395           |                          |        |        | HR2394 (Lo-16bits)           |
| HR2396           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2397           |                          |        |        | HR2396 (Lo-16bits)           |
| HR2398           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2399           |                          |        |        | HR2398 (Lo-16bits)           |
| HR2400           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2401           |                          |        |        | HR2400 (Lo-16bits)           |
| HR2402           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2403           |                          |        |        | HR2402 (Lo-16bits)           |
| HR2404           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2405           |                          |        |        | HR2404 (Lo-16bits)           |
| HR2406           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2407           |                          |        |        | HR2406 (Lo-16bits)           |
| HR2408           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2409           |                          |        |        | HR2408 (Lo-16bits)           |
| HR2410           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2411           |                          |        |        | HR2410 (Lo-16bits)           |
| HR2412           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2413           |                          |        |        | HR2412 (Lo-16bits)           |
| HR2414           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2415           |                          |        |        | HR2414 (Lo-16bits)           |
| HR2416           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                                                                 |
|------------------|------------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2417           |                                                |        |        | HR2416 (Lo-16bits)                                              |
| HR2418           | VRG1:U>> setting (+UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2419           |                                                |        |        | HR2418 (Lo-16bits)                                              |
| HR2420           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2421           |                                                |        |        | HR2420 (Lo-16bits)                                              |
| HR2422           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2423           |                                                |        |        | HR2422 (Lo-16bits)                                              |
| HR2424           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2425           |                                                |        |        | HR2424 (Lo-16bits)                                              |
| HR2426           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2427           |                                                |        |        | HR2426 (Lo-16bits)                                              |
| HR2428           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2429           |                                                |        |        | HR2428 (Lo-16bits)                                              |
| HR2430           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2431           |                                                |        |        | HR2430 (Lo-16bits)                                              |
| HR2432           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2433           |                                                |        |        | HR2432 (Lo-16bits)                                              |
| HR2434           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2435           |                                                |        |        | HR2434 (Lo-16bits)                                              |
| HR2436           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2437           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2438           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2439           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2440           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2441           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2442           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2443           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2444           | POW1:Apparent Energy (S) while Export (P) MVAh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |
| HR2445           |                                                |        |        | HR2444 (Lo-16bits)                                              |

| Holding Register | Parameter                                                                 | Access | Length |                                              |
|------------------|---------------------------------------------------------------------------|--------|--------|----------------------------------------------|
| HR2446           | POW1:Apparent Energy (S) while Export (P) kVAh                            | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2447           |                                                                           |        |        | HR2446 (Lo-16bits)                           |
| HR2448           | POW1:Apparent Energy (S) while Import (P) MVAh                            | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2449           |                                                                           |        |        | HR2448 (Lo-16bits)                           |
| HR2450           | POW1:Apparent Energy (S) while Import (P) kVAh                            | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2451           |                                                                           |        |        | HR2450 (Lo-16bits)                           |
| HR2452           | POW1:Apparent Energy (S) Net                                              | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2453           |                                                                           |        |        | HR2452 (Lo-16bits)                           |
| HR2454           | POW1:Real Energy (P) Net                                                  | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2455           |                                                                           |        |        | HR2454 (Lo-16bits)                           |
| HR2456           | POW1:Reactive Energy (Q) Net                                              | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2457           |                                                                           |        |        | HR2456 (Lo-16bits)                           |
| HR2458           | POW1:Real Energy (P) Supply (Default supply direction towards busbar)     | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2459           |                                                                           |        |        | HR2458 (Lo-16bits)                           |
| HR2460           | POW1:Reactive Energy (Q) Supply (Default supply direction towards busbar) | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2461           |                                                                           |        |        | HR2460 (Lo-16bits)                           |
| HR2462           | POW1:Real Energy (P) Demand (Default demand direction from busbar)        | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2463           |                                                                           |        |        | HR2462 (Lo-16bits)                           |
| HR2464           | POW1:Reactive Energy (Q) Demand (Default demand direction from busbar)    | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2465           |                                                                           |        |        | HR2464 (Lo-16bits)                           |
| HR2466           | M1CT1:Phase CT primary                                                    | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)                |
| HR2467           |                                                                           |        |        | HR2466 (Lo-16bits)                           |
| HR2468           | M1CT1:Phase CT secondary                                                  | R(W)   | 2      | FLOAT [0.2...20] (Hi-16bits)                 |



| Holding Register | Parameter                    | Access | Length |                                 |
|------------------|------------------------------|--------|--------|---------------------------------|
| HR2469           |                              |        |        | HR2468 (Lo-16bits)              |
| HR2470           | M1CT2:I01 CT primary         | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2471           |                              |        |        | HR2470 (Lo-16bits)              |
| HR2472           | M1CT2:I01 CT secondary       | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)    |
| HR2473           |                              |        |        | HR2472 (Lo-16bits)              |
| HR2474           | M1CT3:I02 CT primary         | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2475           |                              |        |        | HR2474 (Lo-16bits)              |
| HR2476           | M1CT3:I02 CT secondary       | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR2477           |                              |        |        | HR2476 (Lo-16bits)              |
| HR2478           | M2CT1:Phase CT primary       | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)   |
| HR2479           |                              |        |        | HR2478 (Lo-16bits)              |
| HR2480           | M2CT1:Phase CT secondary     | R(W)   | 2      | FLOAT [0.2...20] (Hi-16bits)    |
| HR2481           |                              |        |        | HR2480 (Lo-16bits)              |
| HR2482           | M2CT2:I"01 CT primary        | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2483           |                              |        |        | HR2482 (Lo-16bits)              |
| HR2484           | M2CT2:I"01 CT secondary      | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)    |
| HR2485           |                              |        |        | HR2484 (Lo-16bits)              |
| HR2486           | M2CT3:I"02 CT primary        | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2487           |                              |        |        | HR2486 (Lo-16bits)              |
| HR2488           | M2CT3:I"02 CT secondary      | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR2489           |                              |        |        | HR2488 (Lo-16bits)              |
| HR2490           | M1VT1:VT primary             | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2491           |                              |        |        | HR2490 (Lo-16bits)              |
| HR2492           | M1VT1:VT secondary           | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR2493           |                              |        |        | HR2492 (Lo-16bits)              |
| HR2494           | M1VT1:U3 Res/SS VT primary   | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2495           |                              |        |        | HR2494 (Lo-16bits)              |
| HR2496           | M1VT1:U3 Res/SS VT secondary | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR2497           |                              |        |        | HR2496 (Lo-16bits)              |

| Holding Register | Parameter                      | Access | Length |                                                   |
|------------------|--------------------------------|--------|--------|---------------------------------------------------|
| HR2498           | M1VT1:U4 Res/SS VT primary     | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits)                   |
| HR2499           |                                |        |        | HR2498 (Lo-16bits)                                |
| HR2500           | M1VT1:U4 Res/SS VT secondary   | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)                     |
| HR2501           |                                |        |        | HR2500 (Lo-16bits)                                |
| HR2502           | TOLT1:TT> Thermal cap used     | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2503           |                                |        |        | HR2502 (Lo-16bits)                                |
| HR2504           | TOLF1:TF> Thermal cap used     | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2505           |                                |        |        | HR2504 (Lo-16bits)                                |
| HR2506           | TOLM1:TM> Thermal cap used     | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2507           |                                |        |        | HR2506 (Lo-16bits)                                |
| HR2508           | GSYN:Magnitude side A          | R      | 2      | FLOAT [0.000...200.000] (Hi-16bits)               |
| HR2509           |                                |        |        | HR2508 (Lo-16bits)                                |
| HR2510           | GSYN:Magnitude side B          | R      | 2      | FLOAT [0.000...200.000] (Hi-16bits)               |
| HR2511           |                                |        |        | HR2510 (Lo-16bits)                                |
| HR2512           | GSYN:Frequency side A          | R      | 2      | FLOAT [0.000...75.000] (Hi-16bits)                |
| HR2513           |                                |        |        | HR2512 (Lo-16bits)                                |
| HR2514           | GSYN:Frequency side B          | R      | 2      | FLOAT [0.000...75.000] (Hi-16bits)                |
| HR2515           |                                |        |        | HR2514 (Lo-16bits)                                |
| HR2516           | GSYN:Synchronizing by          | RW     | 1      | 0=Autosynchronizer;1=Manual commands              |
| HR2517           | GSYN:Manual switching mode     | RW     | 1      | 0=Assisted synchroswitch;1=I know what I am doing |
| HR2518           | GSYN:Manual increase voltage   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2519           |                                |        |        | HR2518 (Lo-16bits)                                |
| HR2520           | GSYN:Manual decrease voltage   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2521           |                                |        |        | HR2520 (Lo-16bits)                                |
| HR2522           | GSYN:Manual increase frequency | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2523           |                                |        |        | HR2522 (Lo-16bits)                                |

| Holding Register | Parameter                      | Access | Length |                                         |
|------------------|--------------------------------|--------|--------|-----------------------------------------|
| HR2524           | GSYN:Manual decrease frequency | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2525           |                                |        |        | HR2524 (Lo-16bits)                      |
| HR2526           | GSYN:Manual Close Breaker      | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2527           |                                |        |        | HR2526 (Lo-16bits)                      |
| HR2528           | ARC1:I/O Arc> S1 Sensor fault  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2529           |                                |        |        | HR2528 (Lo-16bits)                      |
| HR2530           | ARC1:I/O Arc> S2 Sensor fault  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2531           |                                |        |        | HR2530 (Lo-16bits)                      |
| HR2532           | ARC1:I/O Arc> S3 Sensor fault  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2533           |                                |        |        | HR2532 (Lo-16bits)                      |
| HR2534           | ARC1:I/O Arc> S4 Sensor fault  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2535           |                                |        |        | HR2534 (Lo-16bits)                      |
| HR2536           | ARC1:I/O Arc> IO unit fault    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2537           |                                |        |        | HR2536 (Lo-16bits)                      |
| HR2538           | DIGI:DI1 Counter               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2539           |                                |        |        | HR2538 (Lo-16bits)                      |
| HR2540           | DIGI:DI1 Counter Clear         | RW     | 1      | 0=-;1=Clear                             |
| HR2541           | DIGI:DI2 Counter               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2542           |                                |        |        | HR2541 (Lo-16bits)                      |
| HR2543           | DIGI:DI2 Counter Clear         | RW     | 1      | 0=-;1=Clear                             |
| HR2544           | DIGI:DI3 Counter               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2545           |                                |        |        | HR2544 (Lo-16bits)                      |
| HR2546           | DIGI:DI3 Counter Clear         | RW     | 1      | 0=-;1=Clear                             |
| HR2547           | DIGI:DI4 Counter               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2548           |                                |        |        | HR2547 (Lo-16bits)                      |
| HR2549           | DIGI:DI4 Counter Clear         | RW     | 1      | 0=-;1=Clear                             |
| HR2550           | DIGI:DI5 Counter               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2551           |                         |        |        | HR2550 (Lo-16bits)                  |
| HR2552           | DIGI:DI5 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2553           | DIGI:DI6 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2554           |                         |        |        | HR2553 (Lo-16bits)                  |
| HR2555           | DIGI:DI6 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2556           | DIGI:DI7 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2557           |                         |        |        | HR2556 (Lo-16bits)                  |
| HR2558           | DIGI:DI7 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2559           | DIGI:DI8 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2560           |                         |        |        | HR2559 (Lo-16bits)                  |
| HR2561           | DIGI:DI8 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2562           | DIGI:DI9 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2563           |                         |        |        | HR2562 (Lo-16bits)                  |
| HR2564           | DIGI:DI9 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2565           | DIGI:DI10 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2566           |                         |        |        | HR2565 (Lo-16bits)                  |
| HR2567           | DIGI:DI10 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2568           | DIGI:DI11 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2569           |                         |        |        | HR2568 (Lo-16bits)                  |
| HR2570           | DIGI:DI11 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2571           | DIGI:DI12 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2572           |                         |        |        | HR2571 (Lo-16bits)                  |
| HR2573           | DIGI:DI12 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2574           | DIGI:DI13 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2575           |                         |        |        | HR2574 (Lo-16bits)                  |
| HR2576           | DIGI:DI13 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2577           | DIGI:DI14 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2578           |                         |        |        | HR2577 (Lo-16bits)                  |
| HR2579           | DIGI:DI14 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2580           | DIGI:DI15 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2581           |                         |        |        | HR2580 (Lo-16bits)                  |
| HR2582           | DIGI:DI15 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2583           | DIGI:DI16 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2584           |                         |        |        | HR2583 (Lo-16bits)                  |
| HR2585           | DIGI:DI16 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2586           | DIGI:DI17 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2587           |                         |        |        | HR2586 (Lo-16bits)                  |
| HR2588           | DIGI:DI17 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2589           | DIGI:DI18 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2590           |                         |        |        | HR2589 (Lo-16bits)                  |
| HR2591           | DIGI:DI18 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2592           | DIGI:DI19 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2593           |                         |        |        | HR2592 (Lo-16bits)                  |
| HR2594           | DIGI:DI19 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2595           | DIGI:DI20 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2596           |                         |        |        | HR2595 (Lo-16bits)                  |
| HR2597           | DIGI:DI20 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2598           | DIGI:DI21 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2599           |                         |        |        | HR2598 (Lo-16bits)                  |
| HR2600           | DIGI:DI21 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2601           | DIGI:DI22 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2602           |                         |        |        | HR2601 (Lo-16bits)                  |
| HR2603           | DIGI:DI22 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2604           | DIGI:DI23 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2605           |                         |        |        | HR2604 (Lo-16bits)                  |
| HR2606           | DIGI:DI23 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2607           | DIGI:DI24 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2608           |                         |        |        | HR2607 (Lo-16bits)                  |
| HR2609           | DIGI:DI24 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2610           | DIGI:DI25 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2611           |                         |        |        | HR2610 (Lo-16bits)                  |
| HR2612           | DIGI:DI25 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2613           | DIGI:DI26 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2614           |                         |        |        | HR2613 (Lo-16bits)                  |
| HR2615           | DIGI:DI26 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2616           | DIGI:DI27 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2617           |                         |        |        | HR2616 (Lo-16bits)                  |
| HR2618           | DIGI:DI27 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2619           | DIGI:DI28 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2620           |                         |        |        | HR2619 (Lo-16bits)                  |
| HR2621           | DIGI:DI28 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2622           | DIGI:DI29 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2623           |                         |        |        | HR2622 (Lo-16bits)                  |
| HR2624           | DIGI:DI29 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2625           | DIGI:DI30 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2626           |                         |        |        | HR2625 (Lo-16bits)                  |
| HR2627           | DIGI:DI30 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2628           | DIGI:DI31 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2629           |                         |        |        | HR2628 (Lo-16bits)                  |
| HR2630           | DIGI:DI31 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2631           | DIGI:DI32 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2632           |                         |        |        | HR2631 (Lo-16bits)                  |
| HR2633           | DIGI:DI32 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2634           | DIGI:DI33 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2635           |                         |        |        | HR2634 (Lo-16bits)                  |
| HR2636           | DIGI:DI33 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2637           | DIGI:DI34 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2638           |                         |        |        | HR2637 (Lo-16bits)                  |
| HR2639           | DIGI:DI34 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2640           | DIGI:DI35 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2641           |                         |        |        | HR2640 (Lo-16bits)                  |
| HR2642           | DIGI:DI35 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2643           | DIGI:DI36 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2644           |                         |        |        | HR2643 (Lo-16bits)                  |
| HR2645           | DIGI:DI36 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2646           | DIGI:DI37 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2647           |                         |        |        | HR2646 (Lo-16bits)                  |
| HR2648           | DIGI:DI37 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2649           | DIGI:DI38 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2650           |                         |        |        | HR2649 (Lo-16bits)                  |
| HR2651           | DIGI:DI38 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2652           | DIGI:DI39 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2653           |                         |        |        | HR2652 (Lo-16bits)                  |
| HR2654           | DIGI:DI39 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2655           | DIGI:DI40 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2656           |                         |        |        | HR2655 (Lo-16bits)                  |
| HR2657           | DIGI:DI40 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2658           | DIGI:DI41 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2659           |                         |        |        | HR2658 (Lo-16bits)                  |
| HR2660           | DIGI:DI41 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2661           | DIGI:DI42 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2662           |                         |        |        | HR2661 (Lo-16bits)                  |
| HR2663           | DIGI:DI42 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2664           | DIGI:DI43 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2665           |                         |        |        | HR2664 (Lo-16bits)                  |
| HR2666           | DIGI:DI43 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2667           | DIGI:DI44 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2668           |                         |        |        | HR2667 (Lo-16bits)                  |
| HR2669           | DIGI:DI44 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2670           | DIGI:DI45 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                 | Access | Length |                                     |
|------------------|---------------------------|--------|--------|-------------------------------------|
| HR2671           |                           |        |        | HR2670 (Lo-16bits)                  |
| HR2672           | DIGI:DI45 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2673           | DIGI:DI46 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2674           |                           |        |        | HR2673 (Lo-16bits)                  |
| HR2675           | DIGI:DI46 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2676           | DIGI:DI47 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2677           |                           |        |        | HR2676 (Lo-16bits)                  |
| HR2678           | DIGI:DI47 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2679           | DIGI:DI48 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2680           |                           |        |        | HR2679 (Lo-16bits)                  |
| HR2681           | DIGI:DI48 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2682           | DIGI:DI49 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2683           |                           |        |        | HR2682 (Lo-16bits)                  |
| HR2684           | DIGI:DI49 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2685           | DIGI:DI50 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2686           |                           |        |        | HR2685 (Lo-16bits)                  |
| HR2687           | DIGI:DI50 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2688           | DIGI:DI51 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2689           |                           |        |        | HR2688 (Lo-16bits)                  |
| HR2690           | DIGI:DI51 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2691           | RHC1:Start count          | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2692           |                           |        |        | HR2691 (Lo-16bits)                  |
| HR2693           | NOC1:Pick-up setting lset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2694           |                           |        |        | HR2693 (Lo-16bits)                  |
| HR2695           | NOC1:Pick-up setting lset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2696           |                           |        |        | HR2695 (Lo-16bits)                  |
| HR2697           | NOC1:Pick-up setting lset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2698           |                           |        |        | HR2697 (Lo-16bits)                  |
| HR2699           | NOC1:Pick-up setting lset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2700           |                           |        |        | HR2699 (Lo-16bits)                  |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2701           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2702           |                                              |        |        | HR2701 (Lo-16bits)           |
| HR2703           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2704           |                                              |        |        | HR2703 (Lo-16bits)           |
| HR2705           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2706           |                                              |        |        | HR2705 (Lo-16bits)           |
| HR2707           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2708           |                                              |        |        | HR2707 (Lo-16bits)           |
| HR2709           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2710           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2711           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2712           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2713           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2714           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2715           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2716           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2717           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2718           |                                              |        |        | HR2717 (Lo-16bits)           |
| HR2719           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2720           |                                              |        |        | HR2719 (Lo-16bits)           |
| HR2721           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2722           |                                              |        |        | HR2721 (Lo-16bits)           |
| HR2723           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2724           |                                              |        |        | HR2723 (Lo-16bits)           |
| HR2725           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2726           |                                              |        |        | HR2725 (Lo-16bits)           |
| HR2727           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2728           |                                              |        |        | HR2727 (Lo-16bits)                                          |
| HR2729           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2730           |                                              |        |        | HR2729 (Lo-16bits)                                          |
| HR2731           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2732           |                                              |        |        | HR2731 (Lo-16bits)                                          |
| HR2733           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2734           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2735           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2736           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2737           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2738           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2739           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2740           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2741           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2742           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2743           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2744           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2745           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2746           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2747           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2748           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2749           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2750           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2751           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR2752           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2753           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2754           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2755           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2756           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2757           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2758           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2759           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2760           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2761           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2762           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2763           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2764           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2765           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2766           |                               |        |        | HR2765 (Lo-16bits)                                          |
| HR2767           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2768           |                               |        |        | HR2767 (Lo-16bits)                                          |
| HR2769           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2770           |                               |        |        | HR2769 (Lo-16bits)                                          |
| HR2771           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2772           |                               |        |        | HR2771 (Lo-16bits)                                          |
| HR2773           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2774           |                               |        |        | HR2773 (Lo-16bits)                                          |
| HR2775           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR2776           |                          |        |        | HR2775 (Lo-16bits)            |
| HR2777           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2778           |                          |        |        | HR2777 (Lo-16bits)            |
| HR2779           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2780           |                          |        |        | HR2779 (Lo-16bits)            |
| HR2781           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2782           |                          |        |        | HR2781 (Lo-16bits)            |
| HR2783           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2784           |                          |        |        | HR2783 (Lo-16bits)            |
| HR2785           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2786           |                          |        |        | HR2785 (Lo-16bits)            |
| HR2787           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2788           |                          |        |        | HR2787 (Lo-16bits)            |
| HR2789           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2790           |                          |        |        | HR2789 (Lo-16bits)            |
| HR2791           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2792           |                          |        |        | HR2791 (Lo-16bits)            |
| HR2793           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2794           |                          |        |        | HR2793 (Lo-16bits)            |
| HR2795           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2796           |                          |        |        | HR2795 (Lo-16bits)            |
| HR2797           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2798           |                          |        |        | HR2797 (Lo-16bits)            |
| HR2799           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2800           |                          |        |        | HR2799 (Lo-16bits)            |
| HR2801           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2802           |                          |        |        | HR2801 (Lo-16bits)            |
| HR2803           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2804           |                          |        |        | HR2803 (Lo-16bits)            |
| HR2805           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR2806           |                                                    |        |        | HR2805 (Lo-16bits)          |
| HR2807           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2808           |                                                    |        |        | HR2807 (Lo-16bits)          |
| HR2809           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2810           |                                                    |        |        | HR2809 (Lo-16bits)          |
| HR2811           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2812           |                                                    |        |        | HR2811 (Lo-16bits)          |
| HR2813           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2814           |                                                    |        |        | HR2813 (Lo-16bits)          |
| HR2815           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2816           |                                                    |        |        | HR2815 (Lo-16bits)          |
| HR2817           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2818           |                                                    |        |        | HR2817 (Lo-16bits)          |
| HR2819           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2820           |                                                    |        |        | HR2819 (Lo-16bits)          |
| HR2821           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2822           |                                                    |        |        | HR2821 (Lo-16bits)          |
| HR2823           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2824           |                                                    |        |        | HR2823 (Lo-16bits)          |
| HR2825           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2826           |                                                    |        |        | HR2825 (Lo-16bits)          |
| HR2827           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2828           |                                                    |        |        | HR2827 (Lo-16bits)          |
| HR2829           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2830           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2831           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2832           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2833           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2834           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR2835           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR2836           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR2837           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2838           |                                                    |        |        | HR2837 (Lo-16bits)           |
| HR2839           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2840           |                                                    |        |        | HR2839 (Lo-16bits)           |
| HR2841           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2842           |                                                    |        |        | HR2841 (Lo-16bits)           |
| HR2843           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2844           |                                                    |        |        | HR2843 (Lo-16bits)           |
| HR2845           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2846           |                                                    |        |        | HR2845 (Lo-16bits)           |
| HR2847           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2848           |                                                    |        |        | HR2847 (Lo-16bits)           |
| HR2849           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2850           |                                                    |        |        | HR2849 (Lo-16bits)           |
| HR2851           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2852           |                                                    |        |        | HR2851 (Lo-16bits)           |
| HR2853           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2854           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2855           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2856           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR2857           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2858           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2859           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2860           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2861           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2862           |                                            |        |        | HR2861 (Lo-16bits)          |
| HR2863           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2864           |                                            |        |        | HR2863 (Lo-16bits)          |
| HR2865           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2866           |                                            |        |        | HR2865 (Lo-16bits)          |
| HR2867           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2868           |                                            |        |        | HR2867 (Lo-16bits)          |
| HR2869           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2870           |                                            |        |        | HR2869 (Lo-16bits)          |
| HR2871           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2872           |                                            |        |        | HR2871 (Lo-16bits)          |
| HR2873           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2874           |                                            |        |        | HR2873 (Lo-16bits)          |
| HR2875           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2876           |                                            |        |        | HR2875 (Lo-16bits)          |
| HR2877           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2878           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2879           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2880           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2881           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2882           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2883           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2884           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2885           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2886           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2887           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2888           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2889           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2890           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2891           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2892           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2893           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2894           |                                                    |        |        | HR2893 (Lo-16bits)           |
| HR2895           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2896           |                                                    |        |        | HR2895 (Lo-16bits)           |
| HR2897           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2898           |                                                    |        |        | HR2897 (Lo-16bits)           |
| HR2899           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2900           |                                                    |        |        | HR2899 (Lo-16bits)           |
| HR2901           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2902           |                                                    |        |        | HR2901 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2903           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2904           |                                              |        |        | HR2903 (Lo-16bits)           |
| HR2905           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2906           |                                              |        |        | HR2905 (Lo-16bits)           |
| HR2907           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2908           |                                              |        |        | HR2907 (Lo-16bits)           |
| HR2909           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2910           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2911           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2912           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2913           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2914           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2915           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2916           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2917           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2918           |                                              |        |        | HR2917 (Lo-16bits)           |
| HR2919           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2920           |                                              |        |        | HR2919 (Lo-16bits)           |
| HR2921           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2922           |                                              |        |        | HR2921 (Lo-16bits)           |
| HR2923           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2924           |                                              |        |        | HR2923 (Lo-16bits)           |
| HR2925           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2926           |                                              |        |        | HR2925 (Lo-16bits)           |
| HR2927           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2928           |                                              |        |        | HR2927 (Lo-16bits)           |
| HR2929           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2930           |                                              |        |        | HR2929 (Lo-16bits)                                          |
| HR2931           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2932           |                                              |        |        | HR2931 (Lo-16bits)                                          |
| HR2933           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2934           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2935           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2936           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2937           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2938           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2939           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2940           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2941           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2942           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2943           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2944           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2945           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2946           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2947           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2948           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2949           | NOC2:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2950           | NOC2:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2951           | NOC2:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2952           | NOC2:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR2953           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2954           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2955           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2956           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2957           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2958           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2959           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2960           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2961           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2962           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2963           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2964           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2965           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2966           |                               |        |        | HR2965 (Lo-16bits)                                          |
| HR2967           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2968           |                               |        |        | HR2967 (Lo-16bits)                                          |
| HR2969           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2970           |                               |        |        | HR2969 (Lo-16bits)                                          |
| HR2971           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2972           |                               |        |        | HR2971 (Lo-16bits)                                          |
| HR2973           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2974           |                               |        |        | HR2973 (Lo-16bits)                                          |
| HR2975           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2976           |                               |        |        | HR2975 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR2977           | NOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2978           |                          |        |        | HR2977 (Lo-16bits)            |
| HR2979           | NOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2980           |                          |        |        | HR2979 (Lo-16bits)            |
| HR2981           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2982           |                          |        |        | HR2981 (Lo-16bits)            |
| HR2983           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2984           |                          |        |        | HR2983 (Lo-16bits)            |
| HR2985           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2986           |                          |        |        | HR2985 (Lo-16bits)            |
| HR2987           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2988           |                          |        |        | HR2987 (Lo-16bits)            |
| HR2989           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2990           |                          |        |        | HR2989 (Lo-16bits)            |
| HR2991           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2992           |                          |        |        | HR2991 (Lo-16bits)            |
| HR2993           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2994           |                          |        |        | HR2993 (Lo-16bits)            |
| HR2995           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2996           |                          |        |        | HR2995 (Lo-16bits)            |
| HR2997           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2998           |                          |        |        | HR2997 (Lo-16bits)            |
| HR2999           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3000           |                          |        |        | HR2999 (Lo-16bits)            |
| HR3001           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3002           |                          |        |        | HR3001 (Lo-16bits)            |
| HR3003           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3004           |                          |        |        | HR3003 (Lo-16bits)            |
| HR3005           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3006           |                          |        |        | HR3005 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3007           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3008           |                                                    |        |        | HR3007 (Lo-16bits)          |
| HR3009           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3010           |                                                    |        |        | HR3009 (Lo-16bits)          |
| HR3011           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3012           |                                                    |        |        | HR3011 (Lo-16bits)          |
| HR3013           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3014           |                                                    |        |        | HR3013 (Lo-16bits)          |
| HR3015           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3016           |                                                    |        |        | HR3015 (Lo-16bits)          |
| HR3017           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3018           |                                                    |        |        | HR3017 (Lo-16bits)          |
| HR3019           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3020           |                                                    |        |        | HR3019 (Lo-16bits)          |
| HR3021           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3022           |                                                    |        |        | HR3021 (Lo-16bits)          |
| HR3023           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3024           |                                                    |        |        | HR3023 (Lo-16bits)          |
| HR3025           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3026           |                                                    |        |        | HR3025 (Lo-16bits)          |
| HR3027           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3028           |                                                    |        |        | HR3027 (Lo-16bits)          |
| HR3029           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3030           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3031           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3032           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3033           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3034           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3035           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3036           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3037           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3038           |                                                    |        |        | HR3037 (Lo-16bits)           |
| HR3039           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3040           |                                                    |        |        | HR3039 (Lo-16bits)           |
| HR3041           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3042           |                                                    |        |        | HR3041 (Lo-16bits)           |
| HR3043           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3044           |                                                    |        |        | HR3043 (Lo-16bits)           |
| HR3045           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3046           |                                                    |        |        | HR3045 (Lo-16bits)           |
| HR3047           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3048           |                                                    |        |        | HR3047 (Lo-16bits)           |
| HR3049           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3050           |                                                    |        |        | HR3049 (Lo-16bits)           |
| HR3051           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3052           |                                                    |        |        | HR3051 (Lo-16bits)           |
| HR3053           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3054           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3055           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3056           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3057           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3058           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3059           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3060           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3061           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3062           |                                            |        |        | HR3061 (Lo-16bits)          |
| HR3063           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3064           |                                            |        |        | HR3063 (Lo-16bits)          |
| HR3065           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3066           |                                            |        |        | HR3065 (Lo-16bits)          |
| HR3067           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3068           |                                            |        |        | HR3067 (Lo-16bits)          |
| HR3069           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3070           |                                            |        |        | HR3069 (Lo-16bits)          |
| HR3071           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3072           |                                            |        |        | HR3071 (Lo-16bits)          |
| HR3073           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3074           |                                            |        |        | HR3073 (Lo-16bits)          |
| HR3075           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3076           |                                            |        |        | HR3075 (Lo-16bits)          |
| HR3077           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3078           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3079           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3080           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3081           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3082           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3083           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3084           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3085           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3086           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3087           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3088           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3089           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3090           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3091           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3092           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3093           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3094           |                                                    |        |        | HR3093 (Lo-16bits)           |
| HR3095           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3096           |                                                    |        |        | HR3095 (Lo-16bits)           |
| HR3097           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3098           |                                                    |        |        | HR3097 (Lo-16bits)           |
| HR3099           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3100           |                                                    |        |        | HR3099 (Lo-16bits)           |
| HR3101           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3102           |                                                    |        |        | HR3101 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3103           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3104           |                                              |        |        | HR3103 (Lo-16bits)           |
| HR3105           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3106           |                                              |        |        | HR3105 (Lo-16bits)           |
| HR3107           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3108           |                                              |        |        | HR3107 (Lo-16bits)           |
| HR3109           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3110           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3111           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3112           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3113           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3114           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3115           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3116           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3117           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3118           |                                              |        |        | HR3117 (Lo-16bits)           |
| HR3119           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3120           |                                              |        |        | HR3119 (Lo-16bits)           |
| HR3121           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3122           |                                              |        |        | HR3121 (Lo-16bits)           |
| HR3123           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3124           |                                              |        |        | HR3123 (Lo-16bits)           |
| HR3125           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3126           |                                              |        |        | HR3125 (Lo-16bits)           |
| HR3127           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3128           |                                              |        |        | HR3127 (Lo-16bits)           |
| HR3129           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR3130           |                                              |        |        | HR3129 (Lo-16bits)                                          |
| HR3131           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR3132           |                                              |        |        | HR3131 (Lo-16bits)                                          |
| HR3133           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3134           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3135           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3136           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3137           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3138           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3139           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3140           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3141           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3142           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3143           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3144           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3145           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3146           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3147           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3148           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3149           | NOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3150           | NOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3151           | NOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3152           | NOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3153           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3154           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3155           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3156           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3157           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3158           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3159           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3160           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3161           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3162           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3163           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3164           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3165           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3166           |                               |        |        | HR3165 (Lo-16bits)                                          |
| HR3167           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3168           |                               |        |        | HR3167 (Lo-16bits)                                          |
| HR3169           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3170           |                               |        |        | HR3169 (Lo-16bits)                                          |
| HR3171           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3172           |                               |        |        | HR3171 (Lo-16bits)                                          |
| HR3173           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3174           |                               |        |        | HR3173 (Lo-16bits)                                          |
| HR3175           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3176           |                               |        |        | HR3175 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR3177           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3178           |                          |        |        | HR3177 (Lo-16bits)            |
| HR3179           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3180           |                          |        |        | HR3179 (Lo-16bits)            |
| HR3181           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3182           |                          |        |        | HR3181 (Lo-16bits)            |
| HR3183           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3184           |                          |        |        | HR3183 (Lo-16bits)            |
| HR3185           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3186           |                          |        |        | HR3185 (Lo-16bits)            |
| HR3187           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3188           |                          |        |        | HR3187 (Lo-16bits)            |
| HR3189           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3190           |                          |        |        | HR3189 (Lo-16bits)            |
| HR3191           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3192           |                          |        |        | HR3191 (Lo-16bits)            |
| HR3193           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3194           |                          |        |        | HR3193 (Lo-16bits)            |
| HR3195           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3196           |                          |        |        | HR3195 (Lo-16bits)            |
| HR3197           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3198           |                          |        |        | HR3197 (Lo-16bits)            |
| HR3199           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3200           |                          |        |        | HR3199 (Lo-16bits)            |
| HR3201           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3202           |                          |        |        | HR3201 (Lo-16bits)            |
| HR3203           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3204           |                          |        |        | HR3203 (Lo-16bits)            |
| HR3205           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3206           |                          |        |        | HR3205 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3207           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3208           |                                                    |        |        | HR3207 (Lo-16bits)          |
| HR3209           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3210           |                                                    |        |        | HR3209 (Lo-16bits)          |
| HR3211           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3212           |                                                    |        |        | HR3211 (Lo-16bits)          |
| HR3213           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3214           |                                                    |        |        | HR3213 (Lo-16bits)          |
| HR3215           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3216           |                                                    |        |        | HR3215 (Lo-16bits)          |
| HR3217           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3218           |                                                    |        |        | HR3217 (Lo-16bits)          |
| HR3219           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3220           |                                                    |        |        | HR3219 (Lo-16bits)          |
| HR3221           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3222           |                                                    |        |        | HR3221 (Lo-16bits)          |
| HR3223           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3224           |                                                    |        |        | HR3223 (Lo-16bits)          |
| HR3225           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3226           |                                                    |        |        | HR3225 (Lo-16bits)          |
| HR3227           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3228           |                                                    |        |        | HR3227 (Lo-16bits)          |
| HR3229           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3230           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3231           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3232           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3233           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3234           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3235           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3236           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3237           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3238           |                                                    |        |        | HR3237 (Lo-16bits)           |
| HR3239           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3240           |                                                    |        |        | HR3239 (Lo-16bits)           |
| HR3241           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3242           |                                                    |        |        | HR3241 (Lo-16bits)           |
| HR3243           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3244           |                                                    |        |        | HR3243 (Lo-16bits)           |
| HR3245           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3246           |                                                    |        |        | HR3245 (Lo-16bits)           |
| HR3247           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3248           |                                                    |        |        | HR3247 (Lo-16bits)           |
| HR3249           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3250           |                                                    |        |        | HR3249 (Lo-16bits)           |
| HR3251           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3252           |                                                    |        |        | HR3251 (Lo-16bits)           |
| HR3253           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3254           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3255           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3256           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3257           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3258           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3259           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3260           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3261           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3262           |                                            |        |        | HR3261 (Lo-16bits)          |
| HR3263           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3264           |                                            |        |        | HR3263 (Lo-16bits)          |
| HR3265           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3266           |                                            |        |        | HR3265 (Lo-16bits)          |
| HR3267           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3268           |                                            |        |        | HR3267 (Lo-16bits)          |
| HR3269           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3270           |                                            |        |        | HR3269 (Lo-16bits)          |
| HR3271           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3272           |                                            |        |        | HR3271 (Lo-16bits)          |
| HR3273           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3274           |                                            |        |        | HR3273 (Lo-16bits)          |
| HR3275           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3276           |                                            |        |        | HR3275 (Lo-16bits)          |
| HR3277           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3278           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3279           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3280           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3281           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3282           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3283           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3284           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3285           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3286           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3287           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3288           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3289           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3290           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3291           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3292           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3293           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3294           |                                                    |        |        | HR3293 (Lo-16bits)           |
| HR3295           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3296           |                                                    |        |        | HR3295 (Lo-16bits)           |
| HR3297           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3298           |                                                    |        |        | HR3297 (Lo-16bits)           |
| HR3299           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3300           |                                                    |        |        | HR3299 (Lo-16bits)           |
| HR3301           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3302           |                                                    |        |        | HR3301 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3303           | NOC4:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3304           |                                              |        |        | HR3303 (Lo-16bits)           |
| HR3305           | NOC4:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3306           |                                              |        |        | HR3305 (Lo-16bits)           |
| HR3307           | NOC4:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3308           |                                              |        |        | HR3307 (Lo-16bits)           |
| HR3309           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3310           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3311           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3312           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3313           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3314           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3315           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3316           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3317           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3318           |                                              |        |        | HR3317 (Lo-16bits)           |
| HR3319           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3320           |                                              |        |        | HR3319 (Lo-16bits)           |
| HR3321           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3322           |                                              |        |        | HR3321 (Lo-16bits)           |
| HR3323           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3324           |                                              |        |        | HR3323 (Lo-16bits)           |
| HR3325           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3326           |                                              |        |        | HR3325 (Lo-16bits)           |
| HR3327           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3328           |                                              |        |        | HR3327 (Lo-16bits)           |
| HR3329           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR3330           |                                              |        |        | HR3329 (Lo-16bits)                                          |
| HR3331           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR3332           |                                              |        |        | HR3331 (Lo-16bits)                                          |
| HR3333           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3334           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3335           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3336           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3337           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3338           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3339           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3340           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3341           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3342           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3343           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3344           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3345           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3346           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3347           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3348           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3349           | NOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3350           | NOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3351           | NOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3352           | NOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3353           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3354           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3355           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3356           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3357           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3358           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3359           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3360           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3361           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3362           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3363           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3364           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3365           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3366           |                               |        |        | HR3365 (Lo-16bits)                                          |
| HR3367           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3368           |                               |        |        | HR3367 (Lo-16bits)                                          |
| HR3369           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3370           |                               |        |        | HR3369 (Lo-16bits)                                          |
| HR3371           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3372           |                               |        |        | HR3371 (Lo-16bits)                                          |
| HR3373           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3374           |                               |        |        | HR3373 (Lo-16bits)                                          |
| HR3375           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3376           |                               |        |        | HR3375 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR3377           | NOC4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3378           |                          |        |        | HR3377 (Lo-16bits)            |
| HR3379           | NOC4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3380           |                          |        |        | HR3379 (Lo-16bits)            |
| HR3381           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3382           |                          |        |        | HR3381 (Lo-16bits)            |
| HR3383           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3384           |                          |        |        | HR3383 (Lo-16bits)            |
| HR3385           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3386           |                          |        |        | HR3385 (Lo-16bits)            |
| HR3387           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3388           |                          |        |        | HR3387 (Lo-16bits)            |
| HR3389           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3390           |                          |        |        | HR3389 (Lo-16bits)            |
| HR3391           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3392           |                          |        |        | HR3391 (Lo-16bits)            |
| HR3393           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3394           |                          |        |        | HR3393 (Lo-16bits)            |
| HR3395           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3396           |                          |        |        | HR3395 (Lo-16bits)            |
| HR3397           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3398           |                          |        |        | HR3397 (Lo-16bits)            |
| HR3399           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3400           |                          |        |        | HR3399 (Lo-16bits)            |
| HR3401           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3402           |                          |        |        | HR3401 (Lo-16bits)            |
| HR3403           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3404           |                          |        |        | HR3403 (Lo-16bits)            |
| HR3405           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3406           |                          |        |        | HR3405 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3407           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3408           |                                                    |        |        | HR3407 (Lo-16bits)          |
| HR3409           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3410           |                                                    |        |        | HR3409 (Lo-16bits)          |
| HR3411           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3412           |                                                    |        |        | HR3411 (Lo-16bits)          |
| HR3413           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3414           |                                                    |        |        | HR3413 (Lo-16bits)          |
| HR3415           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3416           |                                                    |        |        | HR3415 (Lo-16bits)          |
| HR3417           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3418           |                                                    |        |        | HR3417 (Lo-16bits)          |
| HR3419           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3420           |                                                    |        |        | HR3419 (Lo-16bits)          |
| HR3421           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3422           |                                                    |        |        | HR3421 (Lo-16bits)          |
| HR3423           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3424           |                                                    |        |        | HR3423 (Lo-16bits)          |
| HR3425           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3426           |                                                    |        |        | HR3425 (Lo-16bits)          |
| HR3427           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3428           |                                                    |        |        | HR3427 (Lo-16bits)          |
| HR3429           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3430           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3431           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3432           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3433           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3434           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3435           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3436           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3437           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3438           |                                                    |        |        | HR3437 (Lo-16bits)           |
| HR3439           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3440           |                                                    |        |        | HR3439 (Lo-16bits)           |
| HR3441           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3442           |                                                    |        |        | HR3441 (Lo-16bits)           |
| HR3443           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3444           |                                                    |        |        | HR3443 (Lo-16bits)           |
| HR3445           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3446           |                                                    |        |        | HR3445 (Lo-16bits)           |
| HR3447           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3448           |                                                    |        |        | HR3447 (Lo-16bits)           |
| HR3449           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3450           |                                                    |        |        | HR3449 (Lo-16bits)           |
| HR3451           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3452           |                                                    |        |        | HR3451 (Lo-16bits)           |
| HR3453           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3454           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3455           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3456           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3457           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3458           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3459           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3460           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3461           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3462           |                                            |        |        | HR3461 (Lo-16bits)          |
| HR3463           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3464           |                                            |        |        | HR3463 (Lo-16bits)          |
| HR3465           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3466           |                                            |        |        | HR3465 (Lo-16bits)          |
| HR3467           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3468           |                                            |        |        | HR3467 (Lo-16bits)          |
| HR3469           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3470           |                                            |        |        | HR3469 (Lo-16bits)          |
| HR3471           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3472           |                                            |        |        | HR3471 (Lo-16bits)          |
| HR3473           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3474           |                                            |        |        | HR3473 (Lo-16bits)          |
| HR3475           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3476           |                                            |        |        | HR3475 (Lo-16bits)          |
| HR3477           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3478           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3479           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3480           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3481           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR3482           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3483           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3484           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3485           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3486           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3487           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3488           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3489           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3490           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3491           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3492           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3493           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3494           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3495           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3496           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3497           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3498           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |



| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3499           | DOC1:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3500           | DOC1:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3501           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3502           |                                  |        |        | HR3501 (Lo-16bits)             |
| HR3503           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3504           |                                  |        |        | HR3503 (Lo-16bits)             |
| HR3505           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3506           |                                  |        |        | HR3505 (Lo-16bits)             |
| HR3507           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3508           |                                  |        |        | HR3507 (Lo-16bits)             |
| HR3509           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3510           |                                  |        |        | HR3509 (Lo-16bits)             |
| HR3511           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3512           |                                  |        |        | HR3511 (Lo-16bits)             |
| HR3513           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3514           |                                  |        |        | HR3513 (Lo-16bits)             |
| HR3515           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3516           |                                  |        |        | HR3515 (Lo-16bits)             |
| HR3517           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3518           |                                  |        |        | HR3517 (Lo-16bits)             |
| HR3519           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3520           |                                  |        |        | HR3519 (Lo-16bits)             |
| HR3521           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3522           |                                  |        |        | HR3521 (Lo-16bits)             |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR3523           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3524           |                              |        |        | HR3523 (Lo-16bits)             |
| HR3525           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3526           |                              |        |        | HR3525 (Lo-16bits)             |
| HR3527           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3528           |                              |        |        | HR3527 (Lo-16bits)             |
| HR3529           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3530           |                              |        |        | HR3529 (Lo-16bits)             |
| HR3531           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3532           |                              |        |        | HR3531 (Lo-16bits)             |
| HR3533           | DOC1:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3534           |                              |        |        | HR3533 (Lo-16bits)             |
| HR3535           | DOC1:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3536           |                              |        |        | HR3535 (Lo-16bits)             |
| HR3537           | DOC1:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3538           |                              |        |        | HR3537 (Lo-16bits)             |
| HR3539           | DOC1:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3540           |                              |        |        | HR3539 (Lo-16bits)             |
| HR3541           | DOC1:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3542           |                              |        |        | HR3541 (Lo-16bits)             |
| HR3543           | DOC1:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3544           |                              |        |        | HR3543 (Lo-16bits)             |
| HR3545           | DOC1:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3546           |                              |        |        | HR3545 (Lo-16bits)             |
| HR3547           | DOC1:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3548           |                              |        |        | HR3547 (Lo-16bits)             |
| HR3549           | DOC1:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3550           | DOC1:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3551           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3552           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3553           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3554           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3555           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3556           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3557           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3558           |                                              |        |        | HR3557 (Lo-16bits)           |
| HR3559           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3560           |                                              |        |        | HR3559 (Lo-16bits)           |
| HR3561           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3562           |                                              |        |        | HR3561 (Lo-16bits)           |
| HR3563           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3564           |                                              |        |        | HR3563 (Lo-16bits)           |
| HR3565           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3566           |                                              |        |        | HR3565 (Lo-16bits)           |
| HR3567           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3568           |                                              |        |        | HR3567 (Lo-16bits)           |
| HR3569           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3570           |                                              |        |        | HR3569 (Lo-16bits)           |
| HR3571           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3572           |                                              |        |        | HR3571 (Lo-16bits)           |
| HR3573           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3574           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3575           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3576           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3577           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3578           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3579           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3580           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3581           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3582           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3583           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3584           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3585           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3586           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3587           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3588           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3589           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3590           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3591           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3592           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3593           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3594           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3595           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3596           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3597           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR3598           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3599           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3600           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3601           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3602           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3603           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3604           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3605           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3606           |                               |        |        | HR3605 (Lo-16bits)            |
| HR3607           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3608           |                               |        |        | HR3607 (Lo-16bits)            |
| HR3609           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3610           |                               |        |        | HR3609 (Lo-16bits)            |
| HR3611           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3612           |                               |        |        | HR3611 (Lo-16bits)            |
| HR3613           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3614           |                               |        |        | HR3613 (Lo-16bits)            |
| HR3615           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3616           |                               |        |        | HR3615 (Lo-16bits)            |
| HR3617           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3618           |                               |        |        | HR3617 (Lo-16bits)            |
| HR3619           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3620           |                               |        |        | HR3619 (Lo-16bits)            |
| HR3621           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3622           |                               |        |        | HR3621 (Lo-16bits)            |
| HR3623           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3624           |                               |        |        | HR3623 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3625           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3626           |                    |        |        | HR3625 (Lo-16bits)          |
| HR3627           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3628           |                    |        |        | HR3627 (Lo-16bits)          |
| HR3629           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3630           |                    |        |        | HR3629 (Lo-16bits)          |
| HR3631           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3632           |                    |        |        | HR3631 (Lo-16bits)          |
| HR3633           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3634           |                    |        |        | HR3633 (Lo-16bits)          |
| HR3635           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3636           |                    |        |        | HR3635 (Lo-16bits)          |
| HR3637           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3638           |                    |        |        | HR3637 (Lo-16bits)          |
| HR3639           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3640           |                    |        |        | HR3639 (Lo-16bits)          |
| HR3641           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3642           |                    |        |        | HR3641 (Lo-16bits)          |
| HR3643           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3644           |                    |        |        | HR3643 (Lo-16bits)          |
| HR3645           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3646           |                    |        |        | HR3645 (Lo-16bits)          |
| HR3647           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3648           |                    |        |        | HR3647 (Lo-16bits)          |
| HR3649           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3650           |                    |        |        | HR3649 (Lo-16bits)          |
| HR3651           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3652           |                    |        |        | HR3651 (Lo-16bits)          |
| HR3653           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3654           |                    |        |        | HR3653 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3655           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3656           |                                                                         |        |        | HR3655 (Lo-16bits)           |
| HR3657           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3658           |                                                                         |        |        | HR3657 (Lo-16bits)           |
| HR3659           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3660           |                                                                         |        |        | HR3659 (Lo-16bits)           |
| HR3661           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3662           |                                                                         |        |        | HR3661 (Lo-16bits)           |
| HR3663           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3664           |                                                                         |        |        | HR3663 (Lo-16bits)           |
| HR3665           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3666           |                                                                         |        |        | HR3665 (Lo-16bits)           |
| HR3667           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3668           |                                                                         |        |        | HR3667 (Lo-16bits)           |
| HR3669           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3670           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3671           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3672           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3673           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3674           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3675           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3676           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3677           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3678           |                                                                         |        |        | HR3677 (Lo-16bits)           |
| HR3679           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3680           |                                                                         |        |        | HR3679 (Lo-16bits)           |
| HR3681           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3682           |                                                                         |        |        | HR3681 (Lo-16bits)           |
| HR3683           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3684           |                                                                         |        |        | HR3683 (Lo-16bits)           |
| HR3685           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3686           |                                                                         |        |        | HR3685 (Lo-16bits)           |
| HR3687           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3688           |                                                                         |        |        | HR3687 (Lo-16bits)           |
| HR3689           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3690           |                                                                         |        |        | HR3689 (Lo-16bits)           |
| HR3691           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3692           |                                                                         |        |        | HR3691 (Lo-16bits)           |
| HR3693           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3694           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3695           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3696           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3697           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3698           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3699           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3700           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3701           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3702           |                                                                         |        |        | HR3701 (Lo-16bits)           |



| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3703           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3704           |                                                    |        |        | HR3703 (Lo-16bits)          |
| HR3705           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3706           |                                                    |        |        | HR3705 (Lo-16bits)          |
| HR3707           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3708           |                                                    |        |        | HR3707 (Lo-16bits)          |
| HR3709           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3710           |                                                    |        |        | HR3709 (Lo-16bits)          |
| HR3711           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3712           |                                                    |        |        | HR3711 (Lo-16bits)          |
| HR3713           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3714           |                                                    |        |        | HR3713 (Lo-16bits)          |
| HR3715           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3716           |                                                    |        |        | HR3715 (Lo-16bits)          |
| HR3717           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3718           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3719           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3720           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3721           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3722           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3723           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3724           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3725           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3726           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3727           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3728           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3729           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3730           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3731           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3732           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3733           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3734           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3735           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3736           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3737           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3738           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3739           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3740           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3741           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3742           |                                                    |        |        | HR3741 (Lo-16bits)          |
| HR3743           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3744           |                                                    |        |        | HR3743 (Lo-16bits)          |
| HR3745           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3746           |                                  |        |        | HR3745 (Lo-16bits)             |
| HR3747           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3748           |                                  |        |        | HR3747 (Lo-16bits)             |
| HR3749           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3750           |                                  |        |        | HR3749 (Lo-16bits)             |
| HR3751           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3752           |                                  |        |        | HR3751 (Lo-16bits)             |
| HR3753           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3754           |                                  |        |        | HR3753 (Lo-16bits)             |
| HR3755           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3756           |                                  |        |        | HR3755 (Lo-16bits)             |
| HR3757           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3758           |                                  |        |        | HR3757 (Lo-16bits)             |
| HR3759           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3760           |                                  |        |        | HR3759 (Lo-16bits)             |
| HR3761           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3762           |                                  |        |        | HR3761 (Lo-16bits)             |
| HR3763           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3764           |                                  |        |        | HR3763 (Lo-16bits)             |
| HR3765           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3766           |                                  |        |        | HR3765 (Lo-16bits)             |
| HR3767           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3768           |                                  |        |        | HR3767 (Lo-16bits)             |
| HR3769           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR3770           |                                              |        |        | HR3769 (Lo-16bits)             |
| HR3771           | DOC2:Operating sector center                 | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3772           |                                              |        |        | HR3771 (Lo-16bits)             |
| HR3773           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3774           |                                              |        |        | HR3773 (Lo-16bits)             |
| HR3775           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3776           |                                              |        |        | HR3775 (Lo-16bits)             |
| HR3777           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3778           |                                              |        |        | HR3777 (Lo-16bits)             |
| HR3779           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3780           |                                              |        |        | HR3779 (Lo-16bits)             |
| HR3781           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3782           |                                              |        |        | HR3781 (Lo-16bits)             |
| HR3783           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3784           |                                              |        |        | HR3783 (Lo-16bits)             |
| HR3785           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3786           |                                              |        |        | HR3785 (Lo-16bits)             |
| HR3787           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3788           |                                              |        |        | HR3787 (Lo-16bits)             |
| HR3789           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3790           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3791           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3792           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3793           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3794           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3795           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3796           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3797           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR3798           |                                              |        |        | HR3797 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3799           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3800           |                                              |        |        | HR3799 (Lo-16bits)           |
| HR3801           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3802           |                                              |        |        | HR3801 (Lo-16bits)           |
| HR3803           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3804           |                                              |        |        | HR3803 (Lo-16bits)           |
| HR3805           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3806           |                                              |        |        | HR3805 (Lo-16bits)           |
| HR3807           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3808           |                                              |        |        | HR3807 (Lo-16bits)           |
| HR3809           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3810           |                                              |        |        | HR3809 (Lo-16bits)           |
| HR3811           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3812           |                                              |        |        | HR3811 (Lo-16bits)           |
| HR3813           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3814           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3815           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3816           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3817           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3818           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3819           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3820           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3821           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3822           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3823           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3824           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3825           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3826           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3827           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3828           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3829           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3830           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3831           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3832           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3833           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3834           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3835           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3836           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3837           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3838           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3839           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3840           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3841           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3842           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3843           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR3844           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3845           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3846           |                               |        |        | HR3845 (Lo-16bits)            |
| HR3847           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3848           |                               |        |        | HR3847 (Lo-16bits)            |
| HR3849           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3850           |                               |        |        | HR3849 (Lo-16bits)            |
| HR3851           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3852           |                               |        |        | HR3851 (Lo-16bits)            |
| HR3853           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3854           |                               |        |        | HR3853 (Lo-16bits)            |
| HR3855           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3856           |                               |        |        | HR3855 (Lo-16bits)            |
| HR3857           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3858           |                               |        |        | HR3857 (Lo-16bits)            |
| HR3859           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3860           |                               |        |        | HR3859 (Lo-16bits)            |
| HR3861           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3862           |                               |        |        | HR3861 (Lo-16bits)            |
| HR3863           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3864           |                               |        |        | HR3863 (Lo-16bits)            |
| HR3865           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3866           |                               |        |        | HR3865 (Lo-16bits)            |
| HR3867           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3868           |                               |        |        | HR3867 (Lo-16bits)            |
| HR3869           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3870           |                               |        |        | HR3869 (Lo-16bits)            |
| HR3871           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3872           |                               |        |        | HR3871 (Lo-16bits)            |
| HR3873           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3874           |                    |        |        | HR3873 (Lo-16bits)          |
| HR3875           | DOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3876           |                    |        |        | HR3875 (Lo-16bits)          |
| HR3877           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3878           |                    |        |        | HR3877 (Lo-16bits)          |
| HR3879           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3880           |                    |        |        | HR3879 (Lo-16bits)          |
| HR3881           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3882           |                    |        |        | HR3881 (Lo-16bits)          |
| HR3883           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3884           |                    |        |        | HR3883 (Lo-16bits)          |
| HR3885           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3886           |                    |        |        | HR3885 (Lo-16bits)          |
| HR3887           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3888           |                    |        |        | HR3887 (Lo-16bits)          |
| HR3889           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3890           |                    |        |        | HR3889 (Lo-16bits)          |
| HR3891           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3892           |                    |        |        | HR3891 (Lo-16bits)          |
| HR3893           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3894           |                    |        |        | HR3893 (Lo-16bits)          |
| HR3895           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3896           |                    |        |        | HR3895 (Lo-16bits)          |
| HR3897           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3898           |                    |        |        | HR3897 (Lo-16bits)          |
| HR3899           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3900           |                    |        |        | HR3899 (Lo-16bits)          |
| HR3901           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3902           |                    |        |        | HR3901 (Lo-16bits)          |
| HR3903           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |



| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3904           |                                                                         |        |        | HR3903 (Lo-16bits)           |
| HR3905           | DOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3906           |                                                                         |        |        | HR3905 (Lo-16bits)           |
| HR3907           | DOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3908           |                                                                         |        |        | HR3907 (Lo-16bits)           |
| HR3909           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3910           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3911           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3912           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3913           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3914           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3915           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3916           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3917           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3918           |                                                                         |        |        | HR3917 (Lo-16bits)           |
| HR3919           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3920           |                                                                         |        |        | HR3919 (Lo-16bits)           |
| HR3921           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3922           |                                                                         |        |        | HR3921 (Lo-16bits)           |
| HR3923           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3924           |                                                                         |        |        | HR3923 (Lo-16bits)           |
| HR3925           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3926           |                                                                         |        |        | HR3925 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR3927           | DOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3928           |                                                |        |        | HR3927 (Lo-16bits)           |
| HR3929           | DOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3930           |                                                |        |        | HR3929 (Lo-16bits)           |
| HR3931           | DOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3932           |                                                |        |        | HR3931 (Lo-16bits)           |
| HR3933           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3934           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3935           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3936           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3937           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3938           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3939           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3940           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3941           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3942           |                                                |        |        | HR3941 (Lo-16bits)           |
| HR3943           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3944           |                                                |        |        | HR3943 (Lo-16bits)           |
| HR3945           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3946           |                                                |        |        | HR3945 (Lo-16bits)           |
| HR3947           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3948           |                                                |        |        | HR3947 (Lo-16bits)           |
| HR3949           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3950           |                                                |        |        | HR3949 (Lo-16bits)           |
| HR3951           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3952           |                                                    |        |        | HR3951 (Lo-16bits)          |
| HR3953           | DOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3954           |                                                    |        |        | HR3953 (Lo-16bits)          |
| HR3955           | DOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3956           |                                                    |        |        | HR3955 (Lo-16bits)          |
| HR3957           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3958           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3959           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3960           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3961           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3962           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3963           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3964           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3965           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3966           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3967           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3968           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3969           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3970           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3971           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3972           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3973           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3974           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3975           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3976           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3977           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3978           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3979           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3980           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3981           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3982           |                                                    |        |        | HR3981 (Lo-16bits)          |
| HR3983           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3984           |                                                    |        |        | HR3983 (Lo-16bits)          |
| HR3985           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3986           |                                                    |        |        | HR3985 (Lo-16bits)          |
| HR3987           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3988           |                                                    |        |        | HR3987 (Lo-16bits)          |
| HR3989           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3990           |                                                    |        |        | HR3989 (Lo-16bits)          |
| HR3991           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3992           |                                  |        |        | HR3991 (Lo-16bits)             |
| HR3993           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3994           |                                  |        |        | HR3993 (Lo-16bits)             |
| HR3995           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3996           |                                  |        |        | HR3995 (Lo-16bits)             |
| HR3997           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3998           |                                  |        |        | HR3997 (Lo-16bits)             |
| HR3999           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4000           |                                  |        |        | HR3999 (Lo-16bits)             |
| HR4001           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4002           |                                  |        |        | HR4001 (Lo-16bits)             |
| HR4003           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4004           |                                  |        |        | HR4003 (Lo-16bits)             |
| HR4005           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4006           |                                  |        |        | HR4005 (Lo-16bits)             |
| HR4007           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4008           |                                  |        |        | HR4007 (Lo-16bits)             |
| HR4009           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4010           |                                  |        |        | HR4009 (Lo-16bits)             |
| HR4011           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4012           |                                  |        |        | HR4011 (Lo-16bits)             |
| HR4013           | DOC3:Pick-up setting Iset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4014           |                                  |        |        | HR4013 (Lo-16bits)             |
| HR4015           | DOC3:Pick-up setting Iset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4016           |                                  |        |        | HR4015 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4017           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4018           |                                              |        |        | HR4017 (Lo-16bits)           |
| HR4019           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4020           |                                              |        |        | HR4019 (Lo-16bits)           |
| HR4021           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4022           |                                              |        |        | HR4021 (Lo-16bits)           |
| HR4023           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4024           |                                              |        |        | HR4023 (Lo-16bits)           |
| HR4025           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4026           |                                              |        |        | HR4025 (Lo-16bits)           |
| HR4027           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4028           |                                              |        |        | HR4027 (Lo-16bits)           |
| HR4029           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4030           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4031           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4032           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4033           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4034           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4035           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4036           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4037           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4038           |                                              |        |        | HR4037 (Lo-16bits)           |
| HR4039           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4040           |                                              |        |        | HR4039 (Lo-16bits)           |
| HR4041           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4042           |                                              |        |        | HR4041 (Lo-16bits)           |
| HR4043           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4044           |                                              |        |        | HR4043 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4045           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4046           |                                              |        |        | HR4045 (Lo-16bits)           |
| HR4047           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4048           |                                              |        |        | HR4047 (Lo-16bits)           |
| HR4049           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4050           |                                              |        |        | HR4049 (Lo-16bits)           |
| HR4051           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4052           |                                              |        |        | HR4051 (Lo-16bits)           |
| HR4053           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4054           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4055           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4056           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4057           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4058           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4059           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4060           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4061           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4062           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4063           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4064           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4065           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4066           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4067           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4068           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4069           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4070           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4071           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4072           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4073           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4074           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4075           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4076           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4077           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4078           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4079           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4080           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4081           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4082           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4083           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4084           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4085           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4086           |                               |        |        | HR4085 (Lo-16bits)                                          |
| HR4087           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4088           |                               |        |        | HR4087 (Lo-16bits)                                          |
| HR4089           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4090           |                               |        |        | HR4089 (Lo-16bits)                                          |



| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR4091           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4092           |                          |        |        | HR4091 (Lo-16bits)            |
| HR4093           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4094           |                          |        |        | HR4093 (Lo-16bits)            |
| HR4095           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4096           |                          |        |        | HR4095 (Lo-16bits)            |
| HR4097           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4098           |                          |        |        | HR4097 (Lo-16bits)            |
| HR4099           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4100           |                          |        |        | HR4099 (Lo-16bits)            |
| HR4101           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4102           |                          |        |        | HR4101 (Lo-16bits)            |
| HR4103           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4104           |                          |        |        | HR4103 (Lo-16bits)            |
| HR4105           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4106           |                          |        |        | HR4105 (Lo-16bits)            |
| HR4107           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4108           |                          |        |        | HR4107 (Lo-16bits)            |
| HR4109           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4110           |                          |        |        | HR4109 (Lo-16bits)            |
| HR4111           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4112           |                          |        |        | HR4111 (Lo-16bits)            |
| HR4113           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4114           |                          |        |        | HR4113 (Lo-16bits)            |
| HR4115           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4116           |                          |        |        | HR4115 (Lo-16bits)            |
| HR4117           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4118           |                          |        |        | HR4117 (Lo-16bits)            |
| HR4119           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4120           |                          |        |        | HR4119 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4121           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4122           |                                                    |        |        | HR4121 (Lo-16bits)          |
| HR4123           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4124           |                                                    |        |        | HR4123 (Lo-16bits)          |
| HR4125           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4126           |                                                    |        |        | HR4125 (Lo-16bits)          |
| HR4127           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4128           |                                                    |        |        | HR4127 (Lo-16bits)          |
| HR4129           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4130           |                                                    |        |        | HR4129 (Lo-16bits)          |
| HR4131           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4132           |                                                    |        |        | HR4131 (Lo-16bits)          |
| HR4133           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4134           |                                                    |        |        | HR4133 (Lo-16bits)          |
| HR4135           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4136           |                                                    |        |        | HR4135 (Lo-16bits)          |
| HR4137           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4138           |                                                    |        |        | HR4137 (Lo-16bits)          |
| HR4139           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4140           |                                                    |        |        | HR4139 (Lo-16bits)          |
| HR4141           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4142           |                                                    |        |        | HR4141 (Lo-16bits)          |
| HR4143           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4144           |                                                    |        |        | HR4143 (Lo-16bits)          |
| HR4145           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4146           |                                                    |        |        | HR4145 (Lo-16bits)          |
| HR4147           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4148           |                                                    |        |        | HR4147 (Lo-16bits)          |
| HR4149           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4150           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4151           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4152           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4153           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4154           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4155           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4156           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4157           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4158           |                                                                         |        |        | HR4157 (Lo-16bits)           |
| HR4159           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4160           |                                                                         |        |        | HR4159 (Lo-16bits)           |
| HR4161           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4162           |                                                                         |        |        | HR4161 (Lo-16bits)           |
| HR4163           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4164           |                                                                         |        |        | HR4163 (Lo-16bits)           |
| HR4165           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4166           |                                                                         |        |        | HR4165 (Lo-16bits)           |
| HR4167           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4168           |                                                                         |        |        | HR4167 (Lo-16bits)           |
| HR4169           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4170           |                                                                         |        |        | HR4169 (Lo-16bits)           |
| HR4171           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4172           |                                                                         |        |        | HR4171 (Lo-16bits)           |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4173           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4174           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4175           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4176           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4177           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4178           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4179           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4180           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4181           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4182           |                                            |        |        | HR4181 (Lo-16bits)          |
| HR4183           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4184           |                                            |        |        | HR4183 (Lo-16bits)          |
| HR4185           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4186           |                                            |        |        | HR4185 (Lo-16bits)          |
| HR4187           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4188           |                                            |        |        | HR4187 (Lo-16bits)          |
| HR4189           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4190           |                                            |        |        | HR4189 (Lo-16bits)          |
| HR4191           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4192           |                                            |        |        | HR4191 (Lo-16bits)          |
| HR4193           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4194           |                                            |        |        | HR4193 (Lo-16bits)          |
| HR4195           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4196           |                                            |        |        | HR4195 (Lo-16bits)          |
| HR4197           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR4198           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4199           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4200           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4201           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4202           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4203           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4204           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4205           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4206           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4207           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4208           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4209           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4210           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4211           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4212           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4213           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4214           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR4215           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4216           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4217           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4218           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4219           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4220           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4221           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4222           |                                  |        |        | HR4221 (Lo-16bits)             |
| HR4223           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4224           |                                  |        |        | HR4223 (Lo-16bits)             |
| HR4225           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4226           |                                  |        |        | HR4225 (Lo-16bits)             |
| HR4227           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4228           |                                  |        |        | HR4227 (Lo-16bits)             |
| HR4229           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4230           |                                  |        |        | HR4229 (Lo-16bits)             |
| HR4231           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4232           |                                  |        |        | HR4231 (Lo-16bits)             |
| HR4233           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4234           |                                  |        |        | HR4233 (Lo-16bits)             |
| HR4235           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4236           |                                  |        |        | HR4235 (Lo-16bits)             |
| HR4237           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR4238           |                              |        |        | HR4237 (Lo-16bits)             |
| HR4239           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4240           |                              |        |        | HR4239 (Lo-16bits)             |
| HR4241           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4242           |                              |        |        | HR4241 (Lo-16bits)             |
| HR4243           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4244           |                              |        |        | HR4243 (Lo-16bits)             |
| HR4245           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4246           |                              |        |        | HR4245 (Lo-16bits)             |
| HR4247           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4248           |                              |        |        | HR4247 (Lo-16bits)             |
| HR4249           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4250           |                              |        |        | HR4249 (Lo-16bits)             |
| HR4251           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4252           |                              |        |        | HR4251 (Lo-16bits)             |
| HR4253           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4254           |                              |        |        | HR4253 (Lo-16bits)             |
| HR4255           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4256           |                              |        |        | HR4255 (Lo-16bits)             |
| HR4257           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4258           |                              |        |        | HR4257 (Lo-16bits)             |
| HR4259           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4260           |                              |        |        | HR4259 (Lo-16bits)             |
| HR4261           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4262           |                              |        |        | HR4261 (Lo-16bits)             |
| HR4263           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4264           |                              |        |        | HR4263 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4265           | DOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4266           |                                              |        |        | HR4265 (Lo-16bits)           |
| HR4267           | DOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4268           |                                              |        |        | HR4267 (Lo-16bits)           |
| HR4269           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4270           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4271           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4272           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4273           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4274           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4275           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4276           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4277           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4278           |                                              |        |        | HR4277 (Lo-16bits)           |
| HR4279           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4280           |                                              |        |        | HR4279 (Lo-16bits)           |
| HR4281           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4282           |                                              |        |        | HR4281 (Lo-16bits)           |
| HR4283           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4284           |                                              |        |        | HR4283 (Lo-16bits)           |
| HR4285           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4286           |                                              |        |        | HR4285 (Lo-16bits)           |
| HR4287           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4288           |                                              |        |        | HR4287 (Lo-16bits)           |
| HR4289           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4290           |                                              |        |        | HR4289 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR4291           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR4292           |                                              |        |        | HR4291 (Lo-16bits)                                          |
| HR4293           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4294           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4295           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4296           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4297           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4298           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4299           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4300           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4301           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4302           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4303           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4304           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4305           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4306           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4307           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4308           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4309           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4310           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4311           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4312           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4313           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4314           | DOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4315           | DOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4316           | DOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4317           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4318           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4319           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4320           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4321           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4322           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4323           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4324           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4325           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4326           |                               |        |        | HR4325 (Lo-16bits)                                          |
| HR4327           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4328           |                               |        |        | HR4327 (Lo-16bits)                                          |
| HR4329           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4330           |                               |        |        | HR4329 (Lo-16bits)                                          |
| HR4331           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4332           |                               |        |        | HR4331 (Lo-16bits)                                          |
| HR4333           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4334           |                               |        |        | HR4333 (Lo-16bits)                                          |
| HR4335           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4336           |                               |        |        | HR4335 (Lo-16bits)                                          |
| HR4337           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4338           |                               |        |        | HR4337 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR4339           | DOC4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4340           |                          |        |        | HR4339 (Lo-16bits)            |
| HR4341           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4342           |                          |        |        | HR4341 (Lo-16bits)            |
| HR4343           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4344           |                          |        |        | HR4343 (Lo-16bits)            |
| HR4345           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4346           |                          |        |        | HR4345 (Lo-16bits)            |
| HR4347           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4348           |                          |        |        | HR4347 (Lo-16bits)            |
| HR4349           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4350           |                          |        |        | HR4349 (Lo-16bits)            |
| HR4351           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4352           |                          |        |        | HR4351 (Lo-16bits)            |
| HR4353           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4354           |                          |        |        | HR4353 (Lo-16bits)            |
| HR4355           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4356           |                          |        |        | HR4355 (Lo-16bits)            |
| HR4357           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4358           |                          |        |        | HR4357 (Lo-16bits)            |
| HR4359           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4360           |                          |        |        | HR4359 (Lo-16bits)            |
| HR4361           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4362           |                          |        |        | HR4361 (Lo-16bits)            |
| HR4363           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4364           |                          |        |        | HR4363 (Lo-16bits)            |
| HR4365           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4366           |                          |        |        | HR4365 (Lo-16bits)            |
| HR4367           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4368           |                          |        |        | HR4367 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4369           | DOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4370           |                                                    |        |        | HR4369 (Lo-16bits)          |
| HR4371           | DOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4372           |                                                    |        |        | HR4371 (Lo-16bits)          |
| HR4373           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4374           |                                                    |        |        | HR4373 (Lo-16bits)          |
| HR4375           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4376           |                                                    |        |        | HR4375 (Lo-16bits)          |
| HR4377           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4378           |                                                    |        |        | HR4377 (Lo-16bits)          |
| HR4379           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4380           |                                                    |        |        | HR4379 (Lo-16bits)          |
| HR4381           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4382           |                                                    |        |        | HR4381 (Lo-16bits)          |
| HR4383           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4384           |                                                    |        |        | HR4383 (Lo-16bits)          |
| HR4385           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4386           |                                                    |        |        | HR4385 (Lo-16bits)          |
| HR4387           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4388           |                                                    |        |        | HR4387 (Lo-16bits)          |
| HR4389           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4390           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4391           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4392           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4393           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4394           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4395           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4396           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4397           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4398           |                                                                         |        |        | HR4397 (Lo-16bits)           |
| HR4399           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4400           |                                                                         |        |        | HR4399 (Lo-16bits)           |
| HR4401           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4402           |                                                                         |        |        | HR4401 (Lo-16bits)           |
| HR4403           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4404           |                                                                         |        |        | HR4403 (Lo-16bits)           |
| HR4405           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4406           |                                                                         |        |        | HR4405 (Lo-16bits)           |
| HR4407           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4408           |                                                                         |        |        | HR4407 (Lo-16bits)           |
| HR4409           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4410           |                                                                         |        |        | HR4409 (Lo-16bits)           |
| HR4411           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4412           |                                                                         |        |        | HR4411 (Lo-16bits)           |
| HR4413           | DOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR4414           | DOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR4415           | DOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR4416           | DOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR4417           | DOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR4418           | DOC4:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4419           | DOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4420           | DOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4421           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4422           |                                            |        |        | HR4421 (Lo-16bits)          |
| HR4423           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4424           |                                            |        |        | HR4423 (Lo-16bits)          |
| HR4425           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4426           |                                            |        |        | HR4425 (Lo-16bits)          |
| HR4427           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4428           |                                            |        |        | HR4427 (Lo-16bits)          |
| HR4429           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4430           |                                            |        |        | HR4429 (Lo-16bits)          |
| HR4431           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4432           |                                            |        |        | HR4431 (Lo-16bits)          |
| HR4433           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4434           |                                            |        |        | HR4433 (Lo-16bits)          |
| HR4435           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4436           |                                            |        |        | HR4435 (Lo-16bits)          |
| HR4437           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4438           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4439           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4440           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4441           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4442           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4443           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4444           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR4445           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4446           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4447           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4448           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4449           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4450           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4451           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4452           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4453           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4454           |                                                    |        |        | HR4453 (Lo-16bits)              |
| HR4455           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4456           |                                                    |        |        | HR4455 (Lo-16bits)              |
| HR4457           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4458           |                                                    |        |        | HR4457 (Lo-16bits)              |
| HR4459           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4460           |                                                    |        |        | HR4459 (Lo-16bits)              |
| HR4461           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4462           |                                                    |        |        | HR4461 (Lo-16bits)              |
| HR4463           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4464           |                                                    |        |        | HR4463 (Lo-16bits)              |
| HR4465           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4466           |                                              |        |        | HR4465 (Lo-16bits)              |
| HR4467           | NEF1:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4468           |                                              |        |        | HR4467 (Lo-16bits)              |
| HR4469           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4470           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4471           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4472           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4473           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4474           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4475           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4476           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4477           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4478           |                                              |        |        | HR4477 (Lo-16bits)              |
| HR4479           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4480           |                                              |        |        | HR4479 (Lo-16bits)              |
| HR4481           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4482           |                                              |        |        | HR4481 (Lo-16bits)              |
| HR4483           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4484           |                                              |        |        | HR4483 (Lo-16bits)              |
| HR4485           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4486           |                                              |        |        | HR4485 (Lo-16bits)              |
| HR4487           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4488           |                                              |        |        | HR4487 (Lo-16bits)              |
| HR4489           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4490           |                                              |        |        | HR4489 (Lo-16bits)              |
| HR4491           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |



| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4492           |                                |        |        | HR4491 (Lo-16bits)                                          |
| HR4493           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4494           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4495           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4496           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4497           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4498           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4499           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4500           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4501           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4502           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4503           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4504           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4505           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4506           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4507           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4508           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4509           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4510           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4511           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4512           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4513           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4514           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4515           | NEF1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4516           | NEF1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4517           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4518           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4519           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4520           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4521           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4522           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4523           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4524           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4525           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4526           |                               |        |        | HR4525 (Lo-16bits)                                          |
| HR4527           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4528           |                               |        |        | HR4527 (Lo-16bits)                                          |
| HR4529           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4530           |                               |        |        | HR4529 (Lo-16bits)                                          |
| HR4531           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4532           |                               |        |        | HR4531 (Lo-16bits)                                          |
| HR4533           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4534           |                               |        |        | HR4533 (Lo-16bits)                                          |
| HR4535           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4536           |                               |        |        | HR4535 (Lo-16bits)                                          |
| HR4537           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4538           |                               |        |        | HR4537 (Lo-16bits)                                          |
| HR4539           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4540           |                    |        |        | HR4539 (Lo-16bits)          |
| HR4541           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4542           |                    |        |        | HR4541 (Lo-16bits)          |
| HR4543           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4544           |                    |        |        | HR4543 (Lo-16bits)          |
| HR4545           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4546           |                    |        |        | HR4545 (Lo-16bits)          |
| HR4547           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4548           |                    |        |        | HR4547 (Lo-16bits)          |
| HR4549           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4550           |                    |        |        | HR4549 (Lo-16bits)          |
| HR4551           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4552           |                    |        |        | HR4551 (Lo-16bits)          |
| HR4553           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4554           |                    |        |        | HR4553 (Lo-16bits)          |
| HR4555           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4556           |                    |        |        | HR4555 (Lo-16bits)          |
| HR4557           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4558           |                    |        |        | HR4557 (Lo-16bits)          |
| HR4559           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4560           |                    |        |        | HR4559 (Lo-16bits)          |
| HR4561           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4562           |                    |        |        | HR4561 (Lo-16bits)          |
| HR4563           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4564           |                    |        |        | HR4563 (Lo-16bits)          |
| HR4565           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4566           |                    |        |        | HR4565 (Lo-16bits)          |
| HR4567           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4568           |                    |        |        | HR4567 (Lo-16bits)          |
| HR4569           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4570           |                                                    |        |        | HR4569 (Lo-16bits)          |
| HR4571           | NEF1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4572           |                                                    |        |        | HR4571 (Lo-16bits)          |
| HR4573           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4574           |                                                    |        |        | HR4573 (Lo-16bits)          |
| HR4575           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4576           |                                                    |        |        | HR4575 (Lo-16bits)          |
| HR4577           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4578           |                                                    |        |        | HR4577 (Lo-16bits)          |
| HR4579           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4580           |                                                    |        |        | HR4579 (Lo-16bits)          |
| HR4581           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4582           |                                                    |        |        | HR4581 (Lo-16bits)          |
| HR4583           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4584           |                                                    |        |        | HR4583 (Lo-16bits)          |
| HR4585           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4586           |                                                    |        |        | HR4585 (Lo-16bits)          |
| HR4587           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4588           |                                                    |        |        | HR4587 (Lo-16bits)          |
| HR4589           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4590           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4591           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4592           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4593           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4594           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4595           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4596           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4597           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4598           |                                                    |        |        | HR4597 (Lo-16bits)           |
| HR4599           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4600           |                                                    |        |        | HR4599 (Lo-16bits)           |
| HR4601           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4602           |                                                    |        |        | HR4601 (Lo-16bits)           |
| HR4603           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4604           |                                                    |        |        | HR4603 (Lo-16bits)           |
| HR4605           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4606           |                                                    |        |        | HR4605 (Lo-16bits)           |
| HR4607           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4608           |                                                    |        |        | HR4607 (Lo-16bits)           |
| HR4609           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4610           |                                                    |        |        | HR4609 (Lo-16bits)           |
| HR4611           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4612           |                                                    |        |        | HR4611 (Lo-16bits)           |
| HR4613           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4614           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4615           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4616           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4617           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4618           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4619           | NEF1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4620           | NEF1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4621           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4622           |                                            |        |        | HR4621 (Lo-16bits)          |
| HR4623           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4624           |                                            |        |        | HR4623 (Lo-16bits)          |
| HR4625           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4626           |                                            |        |        | HR4625 (Lo-16bits)          |
| HR4627           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4628           |                                            |        |        | HR4627 (Lo-16bits)          |
| HR4629           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4630           |                                            |        |        | HR4629 (Lo-16bits)          |
| HR4631           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4632           |                                            |        |        | HR4631 (Lo-16bits)          |
| HR4633           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4634           |                                            |        |        | HR4633 (Lo-16bits)          |
| HR4635           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4636           |                                            |        |        | HR4635 (Lo-16bits)          |
| HR4637           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4638           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4639           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4640           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4641           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4642           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4643           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4644           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR4645           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4646           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4647           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4648           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4649           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4650           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4651           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4652           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4653           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4654           |                                                    |        |        | HR4653 (Lo-16bits)              |
| HR4655           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4656           |                                                    |        |        | HR4655 (Lo-16bits)              |
| HR4657           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4658           |                                                    |        |        | HR4657 (Lo-16bits)              |
| HR4659           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4660           |                                                    |        |        | HR4659 (Lo-16bits)              |
| HR4661           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4662           |                                                    |        |        | HR4661 (Lo-16bits)              |
| HR4663           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4664           |                                                    |        |        | HR4663 (Lo-16bits)              |
| HR4665           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4666           |                                              |        |        | HR4665 (Lo-16bits)              |
| HR4667           | NEF2:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4668           |                                              |        |        | HR4667 (Lo-16bits)              |
| HR4669           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4670           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4671           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4672           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4673           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4674           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4675           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4676           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4677           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4678           |                                              |        |        | HR4677 (Lo-16bits)              |
| HR4679           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4680           |                                              |        |        | HR4679 (Lo-16bits)              |
| HR4681           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4682           |                                              |        |        | HR4681 (Lo-16bits)              |
| HR4683           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4684           |                                              |        |        | HR4683 (Lo-16bits)              |
| HR4685           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4686           |                                              |        |        | HR4685 (Lo-16bits)              |
| HR4687           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4688           |                                              |        |        | HR4687 (Lo-16bits)              |
| HR4689           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4690           |                                              |        |        | HR4689 (Lo-16bits)              |
| HR4691           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |



| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4692           |                                |        |        | HR4691 (Lo-16bits)                                          |
| HR4693           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4694           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4695           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4696           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4697           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4698           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4699           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4700           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4701           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4702           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4703           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4704           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4705           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4706           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4707           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4708           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4709           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4710           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4711           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4712           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4713           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4714           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4715           | NEF2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4716           | NEF2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4717           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4718           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4719           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4720           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4721           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4722           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4723           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4724           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4725           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4726           |                               |        |        | HR4725 (Lo-16bits)                                          |
| HR4727           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4728           |                               |        |        | HR4727 (Lo-16bits)                                          |
| HR4729           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4730           |                               |        |        | HR4729 (Lo-16bits)                                          |
| HR4731           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4732           |                               |        |        | HR4731 (Lo-16bits)                                          |
| HR4733           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4734           |                               |        |        | HR4733 (Lo-16bits)                                          |
| HR4735           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4736           |                               |        |        | HR4735 (Lo-16bits)                                          |
| HR4737           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4738           |                               |        |        | HR4737 (Lo-16bits)                                          |
| HR4739           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4740           |                    |        |        | HR4739 (Lo-16bits)          |
| HR4741           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4742           |                    |        |        | HR4741 (Lo-16bits)          |
| HR4743           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4744           |                    |        |        | HR4743 (Lo-16bits)          |
| HR4745           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4746           |                    |        |        | HR4745 (Lo-16bits)          |
| HR4747           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4748           |                    |        |        | HR4747 (Lo-16bits)          |
| HR4749           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4750           |                    |        |        | HR4749 (Lo-16bits)          |
| HR4751           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4752           |                    |        |        | HR4751 (Lo-16bits)          |
| HR4753           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4754           |                    |        |        | HR4753 (Lo-16bits)          |
| HR4755           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4756           |                    |        |        | HR4755 (Lo-16bits)          |
| HR4757           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4758           |                    |        |        | HR4757 (Lo-16bits)          |
| HR4759           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4760           |                    |        |        | HR4759 (Lo-16bits)          |
| HR4761           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4762           |                    |        |        | HR4761 (Lo-16bits)          |
| HR4763           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4764           |                    |        |        | HR4763 (Lo-16bits)          |
| HR4765           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4766           |                    |        |        | HR4765 (Lo-16bits)          |
| HR4767           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4768           |                    |        |        | HR4767 (Lo-16bits)          |
| HR4769           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4770           |                                                    |        |        | HR4769 (Lo-16bits)          |
| HR4771           | NEF2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4772           |                                                    |        |        | HR4771 (Lo-16bits)          |
| HR4773           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4774           |                                                    |        |        | HR4773 (Lo-16bits)          |
| HR4775           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4776           |                                                    |        |        | HR4775 (Lo-16bits)          |
| HR4777           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4778           |                                                    |        |        | HR4777 (Lo-16bits)          |
| HR4779           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4780           |                                                    |        |        | HR4779 (Lo-16bits)          |
| HR4781           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4782           |                                                    |        |        | HR4781 (Lo-16bits)          |
| HR4783           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4784           |                                                    |        |        | HR4783 (Lo-16bits)          |
| HR4785           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4786           |                                                    |        |        | HR4785 (Lo-16bits)          |
| HR4787           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4788           |                                                    |        |        | HR4787 (Lo-16bits)          |
| HR4789           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4790           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4791           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4792           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4793           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4794           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4795           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4796           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4797           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4798           |                                                    |        |        | HR4797 (Lo-16bits)           |
| HR4799           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4800           |                                                    |        |        | HR4799 (Lo-16bits)           |
| HR4801           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4802           |                                                    |        |        | HR4801 (Lo-16bits)           |
| HR4803           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4804           |                                                    |        |        | HR4803 (Lo-16bits)           |
| HR4805           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4806           |                                                    |        |        | HR4805 (Lo-16bits)           |
| HR4807           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4808           |                                                    |        |        | HR4807 (Lo-16bits)           |
| HR4809           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4810           |                                                    |        |        | HR4809 (Lo-16bits)           |
| HR4811           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4812           |                                                    |        |        | HR4811 (Lo-16bits)           |
| HR4813           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4814           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4815           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4816           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4817           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4818           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4819           | NEF2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4820           | NEF2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4821           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4822           |                                            |        |        | HR4821 (Lo-16bits)          |
| HR4823           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4824           |                                            |        |        | HR4823 (Lo-16bits)          |
| HR4825           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4826           |                                            |        |        | HR4825 (Lo-16bits)          |
| HR4827           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4828           |                                            |        |        | HR4827 (Lo-16bits)          |
| HR4829           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4830           |                                            |        |        | HR4829 (Lo-16bits)          |
| HR4831           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4832           |                                            |        |        | HR4831 (Lo-16bits)          |
| HR4833           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4834           |                                            |        |        | HR4833 (Lo-16bits)          |
| HR4835           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4836           |                                            |        |        | HR4835 (Lo-16bits)          |
| HR4837           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4838           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4839           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4840           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4841           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4842           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4843           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4844           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR4845           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4846           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4847           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4848           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4849           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4850           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4851           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4852           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4853           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4854           |                                                    |        |        | HR4853 (Lo-16bits)              |
| HR4855           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4856           |                                                    |        |        | HR4855 (Lo-16bits)              |
| HR4857           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4858           |                                                    |        |        | HR4857 (Lo-16bits)              |
| HR4859           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4860           |                                                    |        |        | HR4859 (Lo-16bits)              |
| HR4861           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4862           |                                                    |        |        | HR4861 (Lo-16bits)              |
| HR4863           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4864           |                                                    |        |        | HR4863 (Lo-16bits)              |
| HR4865           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4866           |                                              |        |        | HR4865 (Lo-16bits)              |
| HR4867           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4868           |                                              |        |        | HR4867 (Lo-16bits)              |
| HR4869           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4870           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4871           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4872           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4873           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4874           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4875           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4876           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4877           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4878           |                                              |        |        | HR4877 (Lo-16bits)              |
| HR4879           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4880           |                                              |        |        | HR4879 (Lo-16bits)              |
| HR4881           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4882           |                                              |        |        | HR4881 (Lo-16bits)              |
| HR4883           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4884           |                                              |        |        | HR4883 (Lo-16bits)              |
| HR4885           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4886           |                                              |        |        | HR4885 (Lo-16bits)              |
| HR4887           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4888           |                                              |        |        | HR4887 (Lo-16bits)              |
| HR4889           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4890           |                                              |        |        | HR4889 (Lo-16bits)              |
| HR4891           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |



| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4892           |                                |        |        | HR4891 (Lo-16bits)                                          |
| HR4893           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4894           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4895           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4896           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4897           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4898           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4899           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4900           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4901           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4902           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4903           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4904           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4905           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4906           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4907           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4908           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4909           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4910           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4911           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4912           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4913           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4914           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4915           | NEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4916           | NEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4917           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4918           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4919           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4920           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4921           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4922           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4923           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4924           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4925           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4926           |                               |        |        | HR4925 (Lo-16bits)                                          |
| HR4927           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4928           |                               |        |        | HR4927 (Lo-16bits)                                          |
| HR4929           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4930           |                               |        |        | HR4929 (Lo-16bits)                                          |
| HR4931           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4932           |                               |        |        | HR4931 (Lo-16bits)                                          |
| HR4933           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4934           |                               |        |        | HR4933 (Lo-16bits)                                          |
| HR4935           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4936           |                               |        |        | HR4935 (Lo-16bits)                                          |
| HR4937           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4938           |                               |        |        | HR4937 (Lo-16bits)                                          |
| HR4939           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4940           |                    |        |        | HR4939 (Lo-16bits)          |
| HR4941           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4942           |                    |        |        | HR4941 (Lo-16bits)          |
| HR4943           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4944           |                    |        |        | HR4943 (Lo-16bits)          |
| HR4945           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4946           |                    |        |        | HR4945 (Lo-16bits)          |
| HR4947           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4948           |                    |        |        | HR4947 (Lo-16bits)          |
| HR4949           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4950           |                    |        |        | HR4949 (Lo-16bits)          |
| HR4951           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4952           |                    |        |        | HR4951 (Lo-16bits)          |
| HR4953           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4954           |                    |        |        | HR4953 (Lo-16bits)          |
| HR4955           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4956           |                    |        |        | HR4955 (Lo-16bits)          |
| HR4957           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4958           |                    |        |        | HR4957 (Lo-16bits)          |
| HR4959           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4960           |                    |        |        | HR4959 (Lo-16bits)          |
| HR4961           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4962           |                    |        |        | HR4961 (Lo-16bits)          |
| HR4963           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4964           |                    |        |        | HR4963 (Lo-16bits)          |
| HR4965           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4966           |                    |        |        | HR4965 (Lo-16bits)          |
| HR4967           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4968           |                    |        |        | HR4967 (Lo-16bits)          |
| HR4969           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4970           |                                                    |        |        | HR4969 (Lo-16bits)          |
| HR4971           | NEF3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4972           |                                                    |        |        | HR4971 (Lo-16bits)          |
| HR4973           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4974           |                                                    |        |        | HR4973 (Lo-16bits)          |
| HR4975           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4976           |                                                    |        |        | HR4975 (Lo-16bits)          |
| HR4977           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4978           |                                                    |        |        | HR4977 (Lo-16bits)          |
| HR4979           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4980           |                                                    |        |        | HR4979 (Lo-16bits)          |
| HR4981           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4982           |                                                    |        |        | HR4981 (Lo-16bits)          |
| HR4983           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4984           |                                                    |        |        | HR4983 (Lo-16bits)          |
| HR4985           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4986           |                                                    |        |        | HR4985 (Lo-16bits)          |
| HR4987           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4988           |                                                    |        |        | HR4987 (Lo-16bits)          |
| HR4989           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4990           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4991           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4992           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4993           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4994           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4995           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4996           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4997           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4998           |                                                    |        |        | HR4997 (Lo-16bits)           |
| HR4999           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5000           |                                                    |        |        | HR4999 (Lo-16bits)           |
| HR5001           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5002           |                                                    |        |        | HR5001 (Lo-16bits)           |
| HR5003           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5004           |                                                    |        |        | HR5003 (Lo-16bits)           |
| HR5005           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5006           |                                                    |        |        | HR5005 (Lo-16bits)           |
| HR5007           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5008           |                                                    |        |        | HR5007 (Lo-16bits)           |
| HR5009           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5010           |                                                    |        |        | HR5009 (Lo-16bits)           |
| HR5011           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5012           |                                                    |        |        | HR5011 (Lo-16bits)           |
| HR5013           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5014           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5015           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5016           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5017           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5018           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR5019           | NEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5020           | NEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5021           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5022           |                                            |        |        | HR5021 (Lo-16bits)          |
| HR5023           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5024           |                                            |        |        | HR5023 (Lo-16bits)          |
| HR5025           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5026           |                                            |        |        | HR5025 (Lo-16bits)          |
| HR5027           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5028           |                                            |        |        | HR5027 (Lo-16bits)          |
| HR5029           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5030           |                                            |        |        | HR5029 (Lo-16bits)          |
| HR5031           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5032           |                                            |        |        | HR5031 (Lo-16bits)          |
| HR5033           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5034           |                                            |        |        | HR5033 (Lo-16bits)          |
| HR5035           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5036           |                                            |        |        | HR5035 (Lo-16bits)          |
| HR5037           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5038           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5039           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5040           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5041           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5042           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5043           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR5044           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR5045           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5046           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5047           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5048           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5049           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5050           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5051           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5052           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5053           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5054           |                                                    |        |        | HR5053 (Lo-16bits)              |
| HR5055           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5056           |                                                    |        |        | HR5055 (Lo-16bits)              |
| HR5057           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5058           |                                                    |        |        | HR5057 (Lo-16bits)              |
| HR5059           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5060           |                                                    |        |        | HR5059 (Lo-16bits)              |
| HR5061           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5062           |                                                    |        |        | HR5061 (Lo-16bits)              |
| HR5063           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5064           |                                                    |        |        | HR5063 (Lo-16bits)              |
| HR5065           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR5066           |                                              |        |        | HR5065 (Lo-16bits)              |
| HR5067           | NEF4:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5068           |                                              |        |        | HR5067 (Lo-16bits)              |
| HR5069           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5070           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5071           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5072           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5073           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5074           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5075           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5076           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5077           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5078           |                                              |        |        | HR5077 (Lo-16bits)              |
| HR5079           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5080           |                                              |        |        | HR5079 (Lo-16bits)              |
| HR5081           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5082           |                                              |        |        | HR5081 (Lo-16bits)              |
| HR5083           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5084           |                                              |        |        | HR5083 (Lo-16bits)              |
| HR5085           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5086           |                                              |        |        | HR5085 (Lo-16bits)              |
| HR5087           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5088           |                                              |        |        | HR5087 (Lo-16bits)              |
| HR5089           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5090           |                                              |        |        | HR5089 (Lo-16bits)              |
| HR5091           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |



| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5092           |                                |        |        | HR5091 (Lo-16bits)                                          |
| HR5093           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5094           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5095           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5096           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5097           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5098           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5099           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5100           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5101           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5102           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5103           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5104           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5105           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5106           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5107           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5108           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5109           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5110           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5111           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5112           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5113           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5114           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR5115           | NEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5116           | NEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5117           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5118           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5119           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5120           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5121           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5122           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5123           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5124           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5125           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5126           |                               |        |        | HR5125 (Lo-16bits)                                          |
| HR5127           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5128           |                               |        |        | HR5127 (Lo-16bits)                                          |
| HR5129           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5130           |                               |        |        | HR5129 (Lo-16bits)                                          |
| HR5131           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5132           |                               |        |        | HR5131 (Lo-16bits)                                          |
| HR5133           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5134           |                               |        |        | HR5133 (Lo-16bits)                                          |
| HR5135           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5136           |                               |        |        | HR5135 (Lo-16bits)                                          |
| HR5137           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5138           |                               |        |        | HR5137 (Lo-16bits)                                          |
| HR5139           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5140           |                    |        |        | HR5139 (Lo-16bits)          |
| HR5141           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5142           |                    |        |        | HR5141 (Lo-16bits)          |
| HR5143           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5144           |                    |        |        | HR5143 (Lo-16bits)          |
| HR5145           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5146           |                    |        |        | HR5145 (Lo-16bits)          |
| HR5147           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5148           |                    |        |        | HR5147 (Lo-16bits)          |
| HR5149           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5150           |                    |        |        | HR5149 (Lo-16bits)          |
| HR5151           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5152           |                    |        |        | HR5151 (Lo-16bits)          |
| HR5153           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5154           |                    |        |        | HR5153 (Lo-16bits)          |
| HR5155           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5156           |                    |        |        | HR5155 (Lo-16bits)          |
| HR5157           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5158           |                    |        |        | HR5157 (Lo-16bits)          |
| HR5159           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5160           |                    |        |        | HR5159 (Lo-16bits)          |
| HR5161           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5162           |                    |        |        | HR5161 (Lo-16bits)          |
| HR5163           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5164           |                    |        |        | HR5163 (Lo-16bits)          |
| HR5165           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5166           |                    |        |        | HR5165 (Lo-16bits)          |
| HR5167           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5168           |                    |        |        | HR5167 (Lo-16bits)          |
| HR5169           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5170           |                                                    |        |        | HR5169 (Lo-16bits)          |
| HR5171           | NEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5172           |                                                    |        |        | HR5171 (Lo-16bits)          |
| HR5173           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5174           |                                                    |        |        | HR5173 (Lo-16bits)          |
| HR5175           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5176           |                                                    |        |        | HR5175 (Lo-16bits)          |
| HR5177           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5178           |                                                    |        |        | HR5177 (Lo-16bits)          |
| HR5179           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5180           |                                                    |        |        | HR5179 (Lo-16bits)          |
| HR5181           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5182           |                                                    |        |        | HR5181 (Lo-16bits)          |
| HR5183           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5184           |                                                    |        |        | HR5183 (Lo-16bits)          |
| HR5185           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5186           |                                                    |        |        | HR5185 (Lo-16bits)          |
| HR5187           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5188           |                                                    |        |        | HR5187 (Lo-16bits)          |
| HR5189           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5190           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5191           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5192           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5193           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5194           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5195           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR5196           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR5197           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5198           |                                                    |        |        | HR5197 (Lo-16bits)           |
| HR5199           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5200           |                                                    |        |        | HR5199 (Lo-16bits)           |
| HR5201           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5202           |                                                    |        |        | HR5201 (Lo-16bits)           |
| HR5203           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5204           |                                                    |        |        | HR5203 (Lo-16bits)           |
| HR5205           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5206           |                                                    |        |        | HR5205 (Lo-16bits)           |
| HR5207           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5208           |                                                    |        |        | HR5207 (Lo-16bits)           |
| HR5209           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5210           |                                                    |        |        | HR5209 (Lo-16bits)           |
| HR5211           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5212           |                                                    |        |        | HR5211 (Lo-16bits)           |
| HR5213           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5214           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5215           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5216           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5217           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5218           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR5219           | NEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5220           | NEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5221           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5222           |                                            |        |        | HR5221 (Lo-16bits)          |
| HR5223           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5224           |                                            |        |        | HR5223 (Lo-16bits)          |
| HR5225           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5226           |                                            |        |        | HR5225 (Lo-16bits)          |
| HR5227           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5228           |                                            |        |        | HR5227 (Lo-16bits)          |
| HR5229           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5230           |                                            |        |        | HR5229 (Lo-16bits)          |
| HR5231           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5232           |                                            |        |        | HR5231 (Lo-16bits)          |
| HR5233           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5234           |                                            |        |        | HR5233 (Lo-16bits)          |
| HR5235           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5236           |                                            |        |        | HR5235 (Lo-16bits)          |
| HR5237           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5238           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5239           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5240           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5241           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5242           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5243           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR5244           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5245           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5246           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5247           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5248           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5249           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5250           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5251           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5252           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5253           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5254           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5255           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5256           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5257           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5258           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5259           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5260           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5261           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5262           |                                                    |        |        | HR5261 (Lo-16bits)                                          |
| HR5263           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5264           |                                                    |        |        | HR5263 (Lo-16bits)                                          |

| Holding Register | Parameter                   | Access | Length |                                |
|------------------|-----------------------------|--------|--------|--------------------------------|
| HR5265           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5266           |                             |        |        | HR5265 (Lo-16bits)             |
| HR5267           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5268           |                             |        |        | HR5267 (Lo-16bits)             |
| HR5269           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5270           |                             |        |        | HR5269 (Lo-16bits)             |
| HR5271           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5272           |                             |        |        | HR5271 (Lo-16bits)             |
| HR5273           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5274           |                             |        |        | HR5273 (Lo-16bits)             |
| HR5275           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5276           |                             |        |        | HR5275 (Lo-16bits)             |
| HR5277           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5278           |                             |        |        | HR5277 (Lo-16bits)             |
| HR5279           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5280           |                             |        |        | HR5279 (Lo-16bits)             |
| HR5281           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5282           |                             |        |        | HR5281 (Lo-16bits)             |
| HR5283           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5284           |                             |        |        | HR5283 (Lo-16bits)             |
| HR5285           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5286           |                             |        |        | HR5285 (Lo-16bits)             |
| HR5287           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5288           |                             |        |        | HR5287 (Lo-16bits)             |



| Holding Register | Parameter                                   | Access | Length |                                |
|------------------|---------------------------------------------|--------|--------|--------------------------------|
| HR5289           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5290           |                                             |        |        | HR5289 (Lo-16bits)             |
| HR5291           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5292           |                                             |        |        | HR5291 (Lo-16bits)             |
| HR5293           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5294           |                                             |        |        | HR5293 (Lo-16bits)             |
| HR5295           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5296           |                                             |        |        | HR5295 (Lo-16bits)             |
| HR5297           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5298           |                                             |        |        | HR5297 (Lo-16bits)             |
| HR5299           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5300           |                                             |        |        | HR5299 (Lo-16bits)             |
| HR5301           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5302           |                                             |        |        | HR5301 (Lo-16bits)             |
| HR5303           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5304           |                                             |        |        | HR5303 (Lo-16bits)             |
| HR5305           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5306           |                                             |        |        | HR5305 (Lo-16bits)             |
| HR5307           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5308           |                                             |        |        | HR5307 (Lo-16bits)             |
| HR5309           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5310           |                                             |        |        | HR5309 (Lo-16bits)             |
| HR5311           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5312           |                                             |        |        | HR5311 (Lo-16bits)             |

| Holding Register | Parameter                                                  | Access | Length |                              |
|------------------|------------------------------------------------------------|--------|--------|------------------------------|
| HR5313           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5314           |                                                            |        |        | HR5313 (Lo-16bits)           |
| HR5315           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5316           |                                                            |        |        | HR5315 (Lo-16bits)           |
| HR5317           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5318           |                                                            |        |        | HR5317 (Lo-16bits)           |
| HR5319           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5320           |                                                            |        |        | HR5319 (Lo-16bits)           |
| HR5321           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5322           |                                                            |        |        | HR5321 (Lo-16bits)           |
| HR5323           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5324           |                                                            |        |        | HR5323 (Lo-16bits)           |
| HR5325           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5326           |                                                            |        |        | HR5325 (Lo-16bits)           |
| HR5327           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5328           |                                                            |        |        | HR5327 (Lo-16bits)           |
| HR5329           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5330           |                                                            |        |        | HR5329 (Lo-16bits)           |
| HR5331           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5332           |                                                            |        |        | HR5331 (Lo-16bits)           |
| HR5333           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5334           |                                                            |        |        | HR5333 (Lo-16bits)           |

| Holding Register | Parameter                                                        | Access | Length |                              |
|------------------|------------------------------------------------------------------|--------|--------|------------------------------|
| HR5335           | DEF1:Unearthed /<br>Compensated border angle<br>(0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5336           |                                                                  |        |        | HR5335 (Lo-16bits)           |
| HR5337           | DEF1:Unearthed /<br>Compensated border angle<br>(0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5338           |                                                                  |        |        | HR5337 (Lo-16bits)           |
| HR5339           | DEF1:Unearthed /<br>Compensated border angle<br>(0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5340           |                                                                  |        |        | HR5339 (Lo-16bits)           |
| HR5341           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5342           |                                                                  |        |        | HR5341 (Lo-16bits)           |
| HR5343           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5344           |                                                                  |        |        | HR5343 (Lo-16bits)           |
| HR5345           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5346           |                                                                  |        |        | HR5345 (Lo-16bits)           |
| HR5347           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5348           |                                                                  |        |        | HR5347 (Lo-16bits)           |
| HR5349           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5350           |                                                                  |        |        | HR5349 (Lo-16bits)           |
| HR5351           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5352           |                                                                  |        |        | HR5351 (Lo-16bits)           |
| HR5353           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5354           |                                                                  |        |        | HR5353 (Lo-16bits)           |
| HR5355           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5356           |                                                                  |        |        | HR5355 (Lo-16bits)           |
| HR5357           | DEF1:Multi-criteria<br>detection                                 | R(W)   | 1      | 0=Not Used;1=Is Used         |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5358           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5359           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5360           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5361           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5362           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5363           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5364           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5365           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5366           |                                               |        |        | HR5365 (Lo-16bits)             |
| HR5367           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5368           |                                               |        |        | HR5367 (Lo-16bits)             |
| HR5369           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5370           |                                               |        |        | HR5369 (Lo-16bits)             |
| HR5371           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5372           |                                               |        |        | HR5371 (Lo-16bits)             |
| HR5373           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5374           |                                               |        |        | HR5373 (Lo-16bits)             |
| HR5375           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5376           |                                               |        |        | HR5375 (Lo-16bits)             |
| HR5377           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5378           |                                               |        |        | HR5377 (Lo-16bits)             |
| HR5379           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5380           |                                               |        |        | HR5379 (Lo-16bits)             |
| HR5381           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5382           |                                               |        |        | HR5381 (Lo-16bits)             |
| HR5383           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5384           |                                               |        |        | HR5383 (Lo-16bits)             |
| HR5385           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5386           |                                               |        |        | HR5385 (Lo-16bits)             |
| HR5387           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5388           |                                               |        |        | HR5387 (Lo-16bits)             |
| HR5389           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5390           |                                               |        |        | HR5389 (Lo-16bits)             |
| HR5391           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5392           |                                               |        |        | HR5391 (Lo-16bits)             |
| HR5393           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5394           |                                               |        |        | HR5393 (Lo-16bits)             |
| HR5395           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5396           |                                               |        |        | HR5395 (Lo-16bits)             |
| HR5397           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5398           |                                               |        |        | HR5397 (Lo-16bits)             |
| HR5399           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5400           |                                               |        |        | HR5399 (Lo-16bits)             |
| HR5401           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5402           |                                               |        |        | HR5401 (Lo-16bits)             |
| HR5403           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5404           |                                               |        |        | HR5403 (Lo-16bits)             |
| HR5405           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5406           |                                               |        |        | HR5405 (Lo-16bits)             |
| HR5407           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5408           |                                              |        |        | HR5407 (Lo-16bits)             |
| HR5409           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5410           |                                              |        |        | HR5409 (Lo-16bits)             |
| HR5411           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5412           |                                              |        |        | HR5411 (Lo-16bits)             |
| HR5413           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5414           |                                              |        |        | HR5413 (Lo-16bits)             |
| HR5415           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5416           |                                              |        |        | HR5415 (Lo-16bits)             |
| HR5417           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5418           |                                              |        |        | HR5417 (Lo-16bits)             |
| HR5419           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5420           |                                              |        |        | HR5419 (Lo-16bits)             |
| HR5421           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5422           |                                              |        |        | HR5421 (Lo-16bits)             |
| HR5423           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5424           |                                              |        |        | HR5423 (Lo-16bits)             |
| HR5425           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5426           |                                              |        |        | HR5425 (Lo-16bits)             |
| HR5427           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5428           |                                              |        |        | HR5427 (Lo-16bits)             |
| HR5429           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5430           |                                              |        |        | HR5429 (Lo-16bits)             |
| HR5431           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5432           |                                              |        |        | HR5431 (Lo-16bits)             |
| HR5433           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5434           |                                              |        |        | HR5433 (Lo-16bits)             |
| HR5435           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5436           |                                              |        |        | HR5435 (Lo-16bits)             |

| Holding Register | Parameter                                          | Access | Length |                                                        |
|------------------|----------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5437           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5438           |                                                    |        |        | HR5437 (Lo-16bits)                                     |
| HR5439           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5440           |                                                    |        |        | HR5439 (Lo-16bits)                                     |
| HR5441           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5442           |                                                    |        |        | HR5441 (Lo-16bits)                                     |
| HR5443           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5444           |                                                    |        |        | HR5443 (Lo-16bits)                                     |
| HR5445           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5446           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5447           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5448           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5449           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5450           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5451           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5452           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5453           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5454           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5455           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5456           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5457           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5458           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5459           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5460           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5461           | DEF1:Definite operating<br>time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5462           |                                                    |        |        | HR5461 (Lo-16bits)                                     |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR5463           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5464           |                                                 |        |        | HR5463 (Lo-16bits)           |
| HR5465           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5466           |                                                 |        |        | HR5465 (Lo-16bits)           |
| HR5467           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5468           |                                                 |        |        | HR5467 (Lo-16bits)           |
| HR5469           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5470           |                                                 |        |        | HR5469 (Lo-16bits)           |
| HR5471           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5472           |                                                 |        |        | HR5471 (Lo-16bits)           |
| HR5473           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5474           |                                                 |        |        | HR5473 (Lo-16bits)           |
| HR5475           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5476           |                                                 |        |        | HR5475 (Lo-16bits)           |
| HR5477           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5478           |                                                 |        |        | HR5477 (Lo-16bits)           |
| HR5479           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5480           |                                                 |        |        | HR5479 (Lo-16bits)           |
| HR5481           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5482           |                                                 |        |        | HR5481 (Lo-16bits)           |
| HR5483           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5484           |                                                 |        |        | HR5483 (Lo-16bits)           |
| HR5485           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5486           |                                                 |        |        | HR5485 (Lo-16bits)           |



| Holding Register | Parameter                                     | Access | Length |                              |
|------------------|-----------------------------------------------|--------|--------|------------------------------|
| HR5487           | DEF1:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5488           |                                               |        |        | HR5487 (Lo-16bits)           |
| HR5489           | DEF1:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5490           |                                               |        |        | HR5489 (Lo-16bits)           |
| HR5491           | DEF1:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5492           |                                               |        |        | HR5491 (Lo-16bits)           |
| HR5493           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5494           |                                               |        |        | HR5493 (Lo-16bits)           |
| HR5495           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5496           |                                               |        |        | HR5495 (Lo-16bits)           |
| HR5497           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5498           |                                               |        |        | HR5497 (Lo-16bits)           |
| HR5499           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5500           |                                               |        |        | HR5499 (Lo-16bits)           |
| HR5501           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5502           |                                               |        |        | HR5501 (Lo-16bits)           |
| HR5503           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5504           |                                               |        |        | HR5503 (Lo-16bits)           |
| HR5505           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5506           |                                               |        |        | HR5505 (Lo-16bits)           |
| HR5507           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5508           |                                               |        |        | HR5507 (Lo-16bits)           |
| HR5509           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5510           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5511           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5512           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5513           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5514           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5515           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5516           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5517           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5518           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5519           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5520           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5521           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5522           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5523           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5524           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5525           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5526           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5527           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5528           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5529           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5530           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5531           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5532           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5533           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR5534           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5535           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5536           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5537           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5538           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5539           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5540           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5541           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5542           |                               |        |        | HR5541 (Lo-16bits)            |
| HR5543           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5544           |                               |        |        | HR5543 (Lo-16bits)            |
| HR5545           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5546           |                               |        |        | HR5545 (Lo-16bits)            |
| HR5547           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5548           |                               |        |        | HR5547 (Lo-16bits)            |
| HR5549           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5550           |                               |        |        | HR5549 (Lo-16bits)            |
| HR5551           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5552           |                               |        |        | HR5551 (Lo-16bits)            |
| HR5553           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5554           |                               |        |        | HR5553 (Lo-16bits)            |
| HR5555           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5556           |                               |        |        | HR5555 (Lo-16bits)            |
| HR5557           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5558           |                               |        |        | HR5557 (Lo-16bits)            |
| HR5559           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5560           |                               |        |        | HR5559 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5561           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5562           |                    |        |        | HR5561 (Lo-16bits)          |
| HR5563           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5564           |                    |        |        | HR5563 (Lo-16bits)          |
| HR5565           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5566           |                    |        |        | HR5565 (Lo-16bits)          |
| HR5567           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5568           |                    |        |        | HR5567 (Lo-16bits)          |
| HR5569           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5570           |                    |        |        | HR5569 (Lo-16bits)          |
| HR5571           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5572           |                    |        |        | HR5571 (Lo-16bits)          |
| HR5573           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5574           |                    |        |        | HR5573 (Lo-16bits)          |
| HR5575           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5576           |                    |        |        | HR5575 (Lo-16bits)          |
| HR5577           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5578           |                    |        |        | HR5577 (Lo-16bits)          |
| HR5579           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5580           |                    |        |        | HR5579 (Lo-16bits)          |
| HR5581           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5582           |                    |        |        | HR5581 (Lo-16bits)          |
| HR5583           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5584           |                    |        |        | HR5583 (Lo-16bits)          |
| HR5585           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5586           |                    |        |        | HR5585 (Lo-16bits)          |
| HR5587           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5588           |                    |        |        | HR5587 (Lo-16bits)          |
| HR5589           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5590           |                    |        |        | HR5589 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5591           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5592           |                                                                         |        |        | HR5591 (Lo-16bits)           |
| HR5593           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5594           |                                                                         |        |        | HR5593 (Lo-16bits)           |
| HR5595           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5596           |                                                                         |        |        | HR5595 (Lo-16bits)           |
| HR5597           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5598           |                                                                         |        |        | HR5597 (Lo-16bits)           |
| HR5599           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5600           |                                                                         |        |        | HR5599 (Lo-16bits)           |
| HR5601           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5602           |                                                                         |        |        | HR5601 (Lo-16bits)           |
| HR5603           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5604           |                                                                         |        |        | HR5603 (Lo-16bits)           |
| HR5605           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5606           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5607           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5608           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5609           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5610           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5611           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5612           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5613           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5614           |                                                                         |        |        | HR5613 (Lo-16bits)           |
| HR5615           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5616           |                                                |        |        | HR5615 (Lo-16bits)           |
| HR5617           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5618           |                                                |        |        | HR5617 (Lo-16bits)           |
| HR5619           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5620           |                                                |        |        | HR5619 (Lo-16bits)           |
| HR5621           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5622           |                                                |        |        | HR5621 (Lo-16bits)           |
| HR5623           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5624           |                                                |        |        | HR5623 (Lo-16bits)           |
| HR5625           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5626           |                                                |        |        | HR5625 (Lo-16bits)           |
| HR5627           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5628           |                                                |        |        | HR5627 (Lo-16bits)           |
| HR5629           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5630           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5631           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5632           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5633           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5634           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5635           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5636           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5637           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5638           |                                                |        |        | HR5637 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5639           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5640           |                                                    |        |        | HR5639 (Lo-16bits)          |
| HR5641           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5642           |                                                    |        |        | HR5641 (Lo-16bits)          |
| HR5643           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5644           |                                                    |        |        | HR5643 (Lo-16bits)          |
| HR5645           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5646           |                                                    |        |        | HR5645 (Lo-16bits)          |
| HR5647           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5648           |                                                    |        |        | HR5647 (Lo-16bits)          |
| HR5649           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5650           |                                                    |        |        | HR5649 (Lo-16bits)          |
| HR5651           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5652           |                                                    |        |        | HR5651 (Lo-16bits)          |
| HR5653           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5654           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5655           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5656           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5657           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5658           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5659           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5660           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5661           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5662           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR5663           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5664           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5665           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5666           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5667           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5668           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5669           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5670           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5671           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5672           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5673           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5674           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5675           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5676           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5677           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5678           |                                                    |        |        | HR5677 (Lo-16bits)                                          |
| HR5679           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5680           |                                                    |        |        | HR5679 (Lo-16bits)                                          |
| HR5681           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5682           |                                                    |        |        | HR5681 (Lo-16bits)                                          |
| HR5683           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5684           |                                                    |        |        | HR5683 (Lo-16bits)                                          |



| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR5685           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5686           |                              |        |        | HR5685 (Lo-16bits)             |
| HR5687           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5688           |                              |        |        | HR5687 (Lo-16bits)             |
| HR5689           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5690           |                              |        |        | HR5689 (Lo-16bits)             |
| HR5691           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5692           |                              |        |        | HR5691 (Lo-16bits)             |
| HR5693           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5694           |                              |        |        | HR5693 (Lo-16bits)             |
| HR5695           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5696           |                              |        |        | HR5695 (Lo-16bits)             |
| HR5697           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5698           |                              |        |        | HR5697 (Lo-16bits)             |
| HR5699           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5700           |                              |        |        | HR5699 (Lo-16bits)             |
| HR5701           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5702           |                              |        |        | HR5701 (Lo-16bits)             |
| HR5703           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5704           |                              |        |        | HR5703 (Lo-16bits)             |
| HR5705           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5706           |                              |        |        | HR5705 (Lo-16bits)             |
| HR5707           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5708           |                              |        |        | HR5707 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5709           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5710           |                                              |        |        | HR5709 (Lo-16bits)             |
| HR5711           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5712           |                                              |        |        | HR5711 (Lo-16bits)             |
| HR5713           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5714           |                                              |        |        | HR5713 (Lo-16bits)             |
| HR5715           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5716           |                                              |        |        | HR5715 (Lo-16bits)             |
| HR5717           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5718           |                                              |        |        | HR5717 (Lo-16bits)             |
| HR5719           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5720           |                                              |        |        | HR5719 (Lo-16bits)             |
| HR5721           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5722           |                                              |        |        | HR5721 (Lo-16bits)             |
| HR5723           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5724           |                                              |        |        | HR5723 (Lo-16bits)             |
| HR5725           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5726           |                                              |        |        | HR5725 (Lo-16bits)             |
| HR5727           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5728           |                                              |        |        | HR5727 (Lo-16bits)             |
| HR5729           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5730           |                                              |        |        | HR5729 (Lo-16bits)             |
| HR5731           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5732           |                                              |        |        | HR5731 (Lo-16bits)             |

| Holding Register | Parameter                                   | Access | Length |                              |
|------------------|---------------------------------------------|--------|--------|------------------------------|
| HR5733           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5734           |                                             |        |        | HR5733 (Lo-16bits)           |
| HR5735           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5736           |                                             |        |        | HR5735 (Lo-16bits)           |
| HR5737           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5738           |                                             |        |        | HR5737 (Lo-16bits)           |
| HR5739           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5740           |                                             |        |        | HR5739 (Lo-16bits)           |
| HR5741           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5742           |                                             |        |        | HR5741 (Lo-16bits)           |
| HR5743           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5744           |                                             |        |        | HR5743 (Lo-16bits)           |
| HR5745           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5746           |                                             |        |        | HR5745 (Lo-16bits)           |
| HR5747           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5748           |                                             |        |        | HR5747 (Lo-16bits)           |
| HR5749           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5750           |                                             |        |        | HR5749 (Lo-16bits)           |
| HR5751           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5752           |                                             |        |        | HR5751 (Lo-16bits)           |
| HR5753           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5754           |                                             |        |        | HR5753 (Lo-16bits)           |
| HR5755           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5756           |                                             |        |        | HR5755 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR5757           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5758           |                                                |        |        | HR5757 (Lo-16bits)          |
| HR5759           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5760           |                                                |        |        | HR5759 (Lo-16bits)          |
| HR5761           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5762           |                                                |        |        | HR5761 (Lo-16bits)          |
| HR5763           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5764           |                                                |        |        | HR5763 (Lo-16bits)          |
| HR5765           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5766           |                                                |        |        | HR5765 (Lo-16bits)          |
| HR5767           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5768           |                                                |        |        | HR5767 (Lo-16bits)          |
| HR5769           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5770           |                                                |        |        | HR5769 (Lo-16bits)          |
| HR5771           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5772           |                                                |        |        | HR5771 (Lo-16bits)          |
| HR5773           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5774           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5775           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5776           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5777           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5778           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5779           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |

| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR5780           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5781           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5782           |                                                |        |        | HR5781 (Lo-16bits)             |
| HR5783           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5784           |                                                |        |        | HR5783 (Lo-16bits)             |
| HR5785           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5786           |                                                |        |        | HR5785 (Lo-16bits)             |
| HR5787           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5788           |                                                |        |        | HR5787 (Lo-16bits)             |
| HR5789           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5790           |                                                |        |        | HR5789 (Lo-16bits)             |
| HR5791           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5792           |                                                |        |        | HR5791 (Lo-16bits)             |
| HR5793           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5794           |                                                |        |        | HR5793 (Lo-16bits)             |
| HR5795           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5796           |                                                |        |        | HR5795 (Lo-16bits)             |
| HR5797           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5798           |                                                |        |        | HR5797 (Lo-16bits)             |
| HR5799           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5800           |                                                |        |        | HR5799 (Lo-16bits)             |
| HR5801           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5802           |                                                |        |        | HR5801 (Lo-16bits)             |
| HR5803           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5804           |                                                |        |        | HR5803 (Lo-16bits)             |
| HR5805           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5806           |                                                |        |        | HR5805 (Lo-16bits)             |

| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR5807           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5808           |                                                |        |        | HR5807 (Lo-16bits)             |
| HR5809           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5810           |                                                |        |        | HR5809 (Lo-16bits)             |
| HR5811           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5812           |                                                |        |        | HR5811 (Lo-16bits)             |
| HR5813           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5814           |                                                |        |        | HR5813 (Lo-16bits)             |
| HR5815           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5816           |                                                |        |        | HR5815 (Lo-16bits)             |
| HR5817           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5818           |                                                |        |        | HR5817 (Lo-16bits)             |
| HR5819           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5820           |                                                |        |        | HR5819 (Lo-16bits)             |
| HR5821           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5822           |                                                |        |        | HR5821 (Lo-16bits)             |
| HR5823           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5824           |                                                |        |        | HR5823 (Lo-16bits)             |
| HR5825           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5826           |                                                |        |        | HR5825 (Lo-16bits)             |
| HR5827           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5828           |                                                |        |        | HR5827 (Lo-16bits)             |
| HR5829           | DEF2:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5830           |                                                |        |        | HR5829 (Lo-16bits)             |
| HR5831           | DEF2:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |

| Holding Register | Parameter                                     | Access | Length |                                                        |
|------------------|-----------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5832           |                                               |        |        | HR5831 (Lo-16bits)                                     |
| HR5833           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5834           |                                               |        |        | HR5833 (Lo-16bits)                                     |
| HR5835           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5836           |                                               |        |        | HR5835 (Lo-16bits)                                     |
| HR5837           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5838           |                                               |        |        | HR5837 (Lo-16bits)                                     |
| HR5839           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5840           |                                               |        |        | HR5839 (Lo-16bits)                                     |
| HR5841           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5842           |                                               |        |        | HR5841 (Lo-16bits)                                     |
| HR5843           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5844           |                                               |        |        | HR5843 (Lo-16bits)                                     |
| HR5845           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5846           |                                               |        |        | HR5845 (Lo-16bits)                                     |
| HR5847           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5848           |                                               |        |        | HR5847 (Lo-16bits)                                     |
| HR5849           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5850           |                                               |        |        | HR5849 (Lo-16bits)                                     |
| HR5851           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5852           |                                               |        |        | HR5851 (Lo-16bits)                                     |
| HR5853           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5854           |                                               |        |        | HR5853 (Lo-16bits)                                     |
| HR5855           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5856           |                                               |        |        | HR5855 (Lo-16bits)                                     |
| HR5857           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5858           |                                               |        |        | HR5857 (Lo-16bits)                                     |
| HR5859           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5860           |                                               |        |        | HR5859 (Lo-16bits)                                     |
| HR5861           | DEF2:Delay type of broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |

| Holding Register | Parameter                                       | Access | Length |                                                        |
|------------------|-------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5862           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5863           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5864           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5865           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5866           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5867           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5868           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5869           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5870           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5871           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5872           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5873           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5874           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5875           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5876           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5877           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5878           |                                                 |        |        | HR5877 (Lo-16bits)                                     |
| HR5879           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5880           |                                                 |        |        | HR5879 (Lo-16bits)                                     |
| HR5881           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5882           |                                                 |        |        | HR5881 (Lo-16bits)                                     |
| HR5883           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5884           |                                                 |        |        | HR5883 (Lo-16bits)                                     |
| HR5885           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |



| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR5886           |                                                 |        |        | HR5885 (Lo-16bits)           |
| HR5887           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5888           |                                                 |        |        | HR5887 (Lo-16bits)           |
| HR5889           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5890           |                                                 |        |        | HR5889 (Lo-16bits)           |
| HR5891           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5892           |                                                 |        |        | HR5891 (Lo-16bits)           |
| HR5893           | DEF2:Definite operating time delay(Uneearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5894           |                                                 |        |        | HR5893 (Lo-16bits)           |
| HR5895           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5896           |                                                 |        |        | HR5895 (Lo-16bits)           |
| HR5897           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5898           |                                                 |        |        | HR5897 (Lo-16bits)           |
| HR5899           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5900           |                                                 |        |        | HR5899 (Lo-16bits)           |
| HR5901           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5902           |                                                 |        |        | HR5901 (Lo-16bits)           |
| HR5903           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5904           |                                                 |        |        | HR5903 (Lo-16bits)           |
| HR5905           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5906           |                                                 |        |        | HR5905 (Lo-16bits)           |
| HR5907           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5908           |                                                 |        |        | HR5907 (Lo-16bits)           |
| HR5909           | DEF2:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR5910           |                                              |        |        | HR5909 (Lo-16bits)           |
| HR5911           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5912           |                                              |        |        | HR5911 (Lo-16bits)           |
| HR5913           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5914           |                                              |        |        | HR5913 (Lo-16bits)           |
| HR5915           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5916           |                                              |        |        | HR5915 (Lo-16bits)           |
| HR5917           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5918           |                                              |        |        | HR5917 (Lo-16bits)           |
| HR5919           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5920           |                                              |        |        | HR5919 (Lo-16bits)           |
| HR5921           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5922           |                                              |        |        | HR5921 (Lo-16bits)           |
| HR5923           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5924           |                                              |        |        | HR5923 (Lo-16bits)           |
| HR5925           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5926           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5927           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5928           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5929           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5930           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5931           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5932           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5933           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5934           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5935           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5936           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5937           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5938           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5939           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5940           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5941           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5942           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5943           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5944           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5945           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5946           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5947           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5948           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5949           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5950           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5951           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5952           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5953           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5954           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR5955           | DEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5956           | DEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5957           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5958           |                               |        |        | HR5957 (Lo-16bits)            |
| HR5959           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5960           |                               |        |        | HR5959 (Lo-16bits)            |
| HR5961           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5962           |                               |        |        | HR5961 (Lo-16bits)            |
| HR5963           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5964           |                               |        |        | HR5963 (Lo-16bits)            |
| HR5965           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5966           |                               |        |        | HR5965 (Lo-16bits)            |
| HR5967           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5968           |                               |        |        | HR5967 (Lo-16bits)            |
| HR5969           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5970           |                               |        |        | HR5969 (Lo-16bits)            |
| HR5971           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5972           |                               |        |        | HR5971 (Lo-16bits)            |
| HR5973           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5974           |                               |        |        | HR5973 (Lo-16bits)            |
| HR5975           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5976           |                               |        |        | HR5975 (Lo-16bits)            |
| HR5977           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5978           |                               |        |        | HR5977 (Lo-16bits)            |
| HR5979           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5980           |                               |        |        | HR5979 (Lo-16bits)            |
| HR5981           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5982           |                               |        |        | HR5981 (Lo-16bits)            |
| HR5983           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5984           |                    |        |        | HR5983 (Lo-16bits)          |
| HR5985           | DEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5986           |                    |        |        | HR5985 (Lo-16bits)          |
| HR5987           | DEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5988           |                    |        |        | HR5987 (Lo-16bits)          |
| HR5989           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5990           |                    |        |        | HR5989 (Lo-16bits)          |
| HR5991           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5992           |                    |        |        | HR5991 (Lo-16bits)          |
| HR5993           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5994           |                    |        |        | HR5993 (Lo-16bits)          |
| HR5995           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5996           |                    |        |        | HR5995 (Lo-16bits)          |
| HR5997           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5998           |                    |        |        | HR5997 (Lo-16bits)          |
| HR5999           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6000           |                    |        |        | HR5999 (Lo-16bits)          |
| HR6001           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6002           |                    |        |        | HR6001 (Lo-16bits)          |
| HR6003           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6004           |                    |        |        | HR6003 (Lo-16bits)          |
| HR6005           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6006           |                    |        |        | HR6005 (Lo-16bits)          |
| HR6007           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6008           |                    |        |        | HR6007 (Lo-16bits)          |
| HR6009           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6010           |                    |        |        | HR6009 (Lo-16bits)          |
| HR6011           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6012           |                    |        |        | HR6011 (Lo-16bits)          |
| HR6013           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6014           |                                                                         |        |        | HR6013 (Lo-16bits)           |
| HR6015           | DEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6016           |                                                                         |        |        | HR6015 (Lo-16bits)           |
| HR6017           | DEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6018           |                                                                         |        |        | HR6017 (Lo-16bits)           |
| HR6019           | DEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6020           |                                                                         |        |        | HR6019 (Lo-16bits)           |
| HR6021           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6022           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6023           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6024           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6025           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6026           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6027           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6028           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6029           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6030           |                                                                         |        |        | HR6029 (Lo-16bits)           |
| HR6031           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6032           |                                                                         |        |        | HR6031 (Lo-16bits)           |
| HR6033           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6034           |                                                                         |        |        | HR6033 (Lo-16bits)           |
| HR6035           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6036           |                                                                         |        |        | HR6035 (Lo-16bits)           |
| HR6037           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6038           |                                                |        |        | HR6037 (Lo-16bits)           |
| HR6039           | DEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6040           |                                                |        |        | HR6039 (Lo-16bits)           |
| HR6041           | DEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6042           |                                                |        |        | HR6041 (Lo-16bits)           |
| HR6043           | DEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6044           |                                                |        |        | HR6043 (Lo-16bits)           |
| HR6045           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6046           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6047           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6048           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6049           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6050           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6051           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6052           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6053           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6054           |                                                |        |        | HR6053 (Lo-16bits)           |
| HR6055           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6056           |                                                |        |        | HR6055 (Lo-16bits)           |
| HR6057           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6058           |                                                |        |        | HR6057 (Lo-16bits)           |
| HR6059           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6060           |                                                |        |        | HR6059 (Lo-16bits)           |
| HR6061           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6062           |                                                |        |        | HR6061 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6063           | DEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6064           |                                                    |        |        | HR6063 (Lo-16bits)          |
| HR6065           | DEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6066           |                                                    |        |        | HR6065 (Lo-16bits)          |
| HR6067           | DEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6068           |                                                    |        |        | HR6067 (Lo-16bits)          |
| HR6069           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6070           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6071           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6072           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6073           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6074           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6075           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6076           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6077           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6078           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6079           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6080           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6081           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6082           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6083           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6084           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6085           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6086           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6087           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6088           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6089           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6090           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6091           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6092           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6093           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6094           |                                                    |        |        | HR6093 (Lo-16bits)                                          |
| HR6095           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6096           |                                                    |        |        | HR6095 (Lo-16bits)                                          |
| HR6097           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6098           |                                                    |        |        | HR6097 (Lo-16bits)                                          |
| HR6099           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6100           |                                                    |        |        | HR6099 (Lo-16bits)                                          |
| HR6101           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6102           |                                                    |        |        | HR6101 (Lo-16bits)                                          |
| HR6103           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6104           |                                                    |        |        | HR6103 (Lo-16bits)                                          |
| HR6105           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6106           |                                                    |        |        | HR6105 (Lo-16bits)                                          |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR6107           | DEF3:Pick-up setting I0set>>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6108           |                                               |        |        | HR6107 (Lo-16bits)             |
| HR6109           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6110           |                                               |        |        | HR6109 (Lo-16bits)             |
| HR6111           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6112           |                                               |        |        | HR6111 (Lo-16bits)             |
| HR6113           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6114           |                                               |        |        | HR6113 (Lo-16bits)             |
| HR6115           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6116           |                                               |        |        | HR6115 (Lo-16bits)             |
| HR6117           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6118           |                                               |        |        | HR6117 (Lo-16bits)             |
| HR6119           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6120           |                                               |        |        | HR6119 (Lo-16bits)             |
| HR6121           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6122           |                                               |        |        | HR6121 (Lo-16bits)             |
| HR6123           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6124           |                                               |        |        | HR6123 (Lo-16bits)             |
| HR6125           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6126           |                                               |        |        | HR6125 (Lo-16bits)             |
| HR6127           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6128           |                                               |        |        | HR6127 (Lo-16bits)             |
| HR6129           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6130           |                                               |        |        | HR6129 (Lo-16bits)             |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR6131           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6132           |                                               |        |        | HR6131 (Lo-16bits)             |
| HR6133           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6134           |                                               |        |        | HR6133 (Lo-16bits)             |
| HR6135           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6136           |                                               |        |        | HR6135 (Lo-16bits)             |
| HR6137           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6138           |                                               |        |        | HR6137 (Lo-16bits)             |
| HR6139           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6140           |                                               |        |        | HR6139 (Lo-16bits)             |
| HR6141           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6142           |                                               |        |        | HR6141 (Lo-16bits)             |
| HR6143           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6144           |                                               |        |        | HR6143 (Lo-16bits)             |
| HR6145           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6146           |                                               |        |        | HR6145 (Lo-16bits)             |
| HR6147           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6148           |                                               |        |        | HR6147 (Lo-16bits)             |
| HR6149           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6150           |                                               |        |        | HR6149 (Lo-16bits)             |
| HR6151           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6152           |                                               |        |        | HR6151 (Lo-16bits)             |
| HR6153           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6154           |                                               |        |        | HR6153 (Lo-16bits)             |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6155           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>   | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6156           |                                                |        |        | HR6155 (Lo-16bits)           |
| HR6157           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6158           |                                                |        |        | HR6157 (Lo-16bits)           |
| HR6159           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6160           |                                                |        |        | HR6159 (Lo-16bits)           |
| HR6161           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6162           |                                                |        |        | HR6161 (Lo-16bits)           |
| HR6163           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6164           |                                                |        |        | HR6163 (Lo-16bits)           |
| HR6165           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6166           |                                                |        |        | HR6165 (Lo-16bits)           |
| HR6167           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6168           |                                                |        |        | HR6167 (Lo-16bits)           |
| HR6169           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6170           |                                                |        |        | HR6169 (Lo-16bits)           |
| HR6171           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6172           |                                                |        |        | HR6171 (Lo-16bits)           |
| HR6173           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6174           |                                                |        |        | HR6173 (Lo-16bits)           |
| HR6175           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6176           |                                                |        |        | HR6175 (Lo-16bits)           |
| HR6177           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6178           |                                                |        |        | HR6177 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6179           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6180           |                                                |        |        | HR6179 (Lo-16bits)          |
| HR6181           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6182           |                                                |        |        | HR6181 (Lo-16bits)          |
| HR6183           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6184           |                                                |        |        | HR6183 (Lo-16bits)          |
| HR6185           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6186           |                                                |        |        | HR6185 (Lo-16bits)          |
| HR6187           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6188           |                                                |        |        | HR6187 (Lo-16bits)          |
| HR6189           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6190           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6191           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6192           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6193           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6194           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6195           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6196           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6197           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6198           |                                                |        |        | HR6197 (Lo-16bits)          |
| HR6199           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6200           |                                                |        |        | HR6199 (Lo-16bits)          |
| HR6201           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6202           |                                                |        |        | HR6201 (Lo-16bits)          |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR6203           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6204           |                                                 |        |        | HR6203 (Lo-16bits)             |
| HR6205           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6206           |                                                 |        |        | HR6205 (Lo-16bits)             |
| HR6207           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6208           |                                                 |        |        | HR6207 (Lo-16bits)             |
| HR6209           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6210           |                                                 |        |        | HR6209 (Lo-16bits)             |
| HR6211           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6212           |                                                 |        |        | HR6211 (Lo-16bits)             |
| HR6213           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6214           |                                                 |        |        | HR6213 (Lo-16bits)             |
| HR6215           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6216           |                                                 |        |        | HR6215 (Lo-16bits)             |
| HR6217           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6218           |                                                 |        |        | HR6217 (Lo-16bits)             |
| HR6219           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6220           |                                                 |        |        | HR6219 (Lo-16bits)             |
| HR6221           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6222           |                                                 |        |        | HR6221 (Lo-16bits)             |
| HR6223           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6224           |                                                 |        |        | HR6223 (Lo-16bits)             |
| HR6225           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6226           |                                                 |        |        | HR6225 (Lo-16bits)             |
| HR6227           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6228           |                                                 |        |        | HR6227 (Lo-16bits)             |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6229           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6230           |                                                |        |        | HR6229 (Lo-16bits)          |
| HR6231           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6232           |                                                |        |        | HR6231 (Lo-16bits)          |
| HR6233           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6234           |                                                |        |        | HR6233 (Lo-16bits)          |
| HR6235           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6236           |                                                |        |        | HR6235 (Lo-16bits)          |
| HR6237           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6238           |                                                |        |        | HR6237 (Lo-16bits)          |
| HR6239           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6240           |                                                |        |        | HR6239 (Lo-16bits)          |
| HR6241           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6242           |                                                |        |        | HR6241 (Lo-16bits)          |
| HR6243           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6244           |                                                |        |        | HR6243 (Lo-16bits)          |
| HR6245           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6246           |                                                |        |        | HR6245 (Lo-16bits)          |
| HR6247           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6248           |                                                |        |        | HR6247 (Lo-16bits)          |
| HR6249           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6250           |                                                |        |        | HR6249 (Lo-16bits)          |
| HR6251           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6252           |                                                |        |        | HR6251 (Lo-16bits)          |
| HR6253           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6254           |                                                |        |        | HR6253 (Lo-16bits)          |

| Holding Register | Parameter                                        | Access | Length |                                                        |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6255           | DEF3:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6256           |                                                  |        |        | HR6255 (Lo-16bits)                                     |
| HR6257           | DEF3:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6258           |                                                  |        |        | HR6257 (Lo-16bits)                                     |
| HR6259           | DEF3:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6260           |                                                  |        |        | HR6259 (Lo-16bits)                                     |
| HR6261           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6262           |                                                  |        |        | HR6261 (Lo-16bits)                                     |
| HR6263           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6264           |                                                  |        |        | HR6263 (Lo-16bits)                                     |
| HR6265           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6266           |                                                  |        |        | HR6265 (Lo-16bits)                                     |
| HR6267           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6268           |                                                  |        |        | HR6267 (Lo-16bits)                                     |
| HR6269           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6270           |                                                  |        |        | HR6269 (Lo-16bits)                                     |
| HR6271           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6272           |                                                  |        |        | HR6271 (Lo-16bits)                                     |
| HR6273           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6274           |                                                  |        |        | HR6273 (Lo-16bits)                                     |
| HR6275           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6276           |                                                  |        |        | HR6275 (Lo-16bits)                                     |
| HR6277           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6278           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6279           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6280           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6281           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |



| Holding Register | Parameter                                       | Access | Length |                                                        |
|------------------|-------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6282           | DEF3:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6283           | DEF3:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6284           | DEF3:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6285           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6286           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6287           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6288           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6289           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6290           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6291           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6292           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6293           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6294           |                                                 |        |        | HR6293 (Lo-16bits)                                     |
| HR6295           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6296           |                                                 |        |        | HR6295 (Lo-16bits)                                     |
| HR6297           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6298           |                                                 |        |        | HR6297 (Lo-16bits)                                     |
| HR6299           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6300           |                                                 |        |        | HR6299 (Lo-16bits)                                     |
| HR6301           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6302           |                                                 |        |        | HR6301 (Lo-16bits)                                     |
| HR6303           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6304           |                                                 |        |        | HR6303 (Lo-16bits)                                     |
| HR6305           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6306           |                                                 |        |        | HR6305 (Lo-16bits)                                     |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR6307           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6308           |                                                 |        |        | HR6307 (Lo-16bits)           |
| HR6309           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6310           |                                                 |        |        | HR6309 (Lo-16bits)           |
| HR6311           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6312           |                                                 |        |        | HR6311 (Lo-16bits)           |
| HR6313           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6314           |                                                 |        |        | HR6313 (Lo-16bits)           |
| HR6315           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6316           |                                                 |        |        | HR6315 (Lo-16bits)           |
| HR6317           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6318           |                                                 |        |        | HR6317 (Lo-16bits)           |
| HR6319           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6320           |                                                 |        |        | HR6319 (Lo-16bits)           |
| HR6321           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6322           |                                                 |        |        | HR6321 (Lo-16bits)           |
| HR6323           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6324           |                                                 |        |        | HR6323 (Lo-16bits)           |
| HR6325           | DEF3:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6326           |                                                 |        |        | HR6325 (Lo-16bits)           |
| HR6327           | DEF3:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6328           |                                                 |        |        | HR6327 (Lo-16bits)           |
| HR6329           | DEF3:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6330           |                                                 |        |        | HR6329 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6331           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6332           |                                              |        |        | HR6331 (Lo-16bits)           |
| HR6333           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6334           |                                              |        |        | HR6333 (Lo-16bits)           |
| HR6335           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6336           |                                              |        |        | HR6335 (Lo-16bits)           |
| HR6337           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6338           |                                              |        |        | HR6337 (Lo-16bits)           |
| HR6339           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6340           |                                              |        |        | HR6339 (Lo-16bits)           |
| HR6341           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6342           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6343           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6344           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6345           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6346           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6347           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6348           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6349           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6350           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6351           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6352           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6353           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6354           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR6355           | DEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6356           | DEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6357           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6358           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6359           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6360           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6361           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6362           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6363           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6364           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6365           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6366           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6367           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6368           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6369           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6370           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6371           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6372           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6373           | DEF3:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6374           |                                |        |        | HR6373 (Lo-16bits)                                          |
| HR6375           | DEF3:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6376           |                          |        |        | HR6375 (Lo-16bits)            |
| HR6377           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6378           |                          |        |        | HR6377 (Lo-16bits)            |
| HR6379           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6380           |                          |        |        | HR6379 (Lo-16bits)            |
| HR6381           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6382           |                          |        |        | HR6381 (Lo-16bits)            |
| HR6383           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6384           |                          |        |        | HR6383 (Lo-16bits)            |
| HR6385           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6386           |                          |        |        | HR6385 (Lo-16bits)            |
| HR6387           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6388           |                          |        |        | HR6387 (Lo-16bits)            |
| HR6389           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6390           |                          |        |        | HR6389 (Lo-16bits)            |
| HR6391           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6392           |                          |        |        | HR6391 (Lo-16bits)            |
| HR6393           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6394           |                          |        |        | HR6393 (Lo-16bits)            |
| HR6395           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6396           |                          |        |        | HR6395 (Lo-16bits)            |
| HR6397           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6398           |                          |        |        | HR6397 (Lo-16bits)            |
| HR6399           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6400           |                          |        |        | HR6399 (Lo-16bits)            |
| HR6401           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6402           |                          |        |        | HR6401 (Lo-16bits)            |
| HR6403           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6404           |                          |        |        | HR6403 (Lo-16bits)            |
| HR6405           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR6406           |                    |        |        | HR6405 (Lo-16bits)          |
| HR6407           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6408           |                    |        |        | HR6407 (Lo-16bits)          |
| HR6409           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6410           |                    |        |        | HR6409 (Lo-16bits)          |
| HR6411           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6412           |                    |        |        | HR6411 (Lo-16bits)          |
| HR6413           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6414           |                    |        |        | HR6413 (Lo-16bits)          |
| HR6415           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6416           |                    |        |        | HR6415 (Lo-16bits)          |
| HR6417           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6418           |                    |        |        | HR6417 (Lo-16bits)          |
| HR6419           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6420           |                    |        |        | HR6419 (Lo-16bits)          |
| HR6421           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6422           |                    |        |        | HR6421 (Lo-16bits)          |
| HR6423           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6424           |                    |        |        | HR6423 (Lo-16bits)          |
| HR6425           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6426           |                    |        |        | HR6425 (Lo-16bits)          |
| HR6427           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6428           |                    |        |        | HR6427 (Lo-16bits)          |
| HR6429           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6430           |                    |        |        | HR6429 (Lo-16bits)          |
| HR6431           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6432           |                    |        |        | HR6431 (Lo-16bits)          |
| HR6433           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6434           |                    |        |        | HR6433 (Lo-16bits)          |
| HR6435           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6436           |                                                                         |        |        | HR6435 (Lo-16bits)           |
| HR6437           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6438           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6439           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6440           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6441           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6442           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6443           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6444           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6445           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6446           |                                                                         |        |        | HR6445 (Lo-16bits)           |
| HR6447           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6448           |                                                                         |        |        | HR6447 (Lo-16bits)           |
| HR6449           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6450           |                                                                         |        |        | HR6449 (Lo-16bits)           |
| HR6451           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6452           |                                                                         |        |        | HR6451 (Lo-16bits)           |
| HR6453           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6454           |                                                                         |        |        | HR6453 (Lo-16bits)           |
| HR6455           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6456           |                                                                         |        |        | HR6455 (Lo-16bits)           |
| HR6457           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6458           |                                                                         |        |        | HR6457 (Lo-16bits)           |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6459           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6460           |                                                                         |        |        | HR6459 (Lo-16bits)           |
| HR6461           | DEF3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6462           | DEF3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6463           | DEF3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6464           | DEF3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6465           | DEF3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6466           | DEF3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6467           | DEF3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6468           | DEF3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6469           | DEF3:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6470           |                                                                         |        |        | HR6469 (Lo-16bits)           |
| HR6471           | DEF3:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6472           |                                                                         |        |        | HR6471 (Lo-16bits)           |
| HR6473           | DEF3:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6474           |                                                                         |        |        | HR6473 (Lo-16bits)           |
| HR6475           | DEF3:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6476           |                                                                         |        |        | HR6475 (Lo-16bits)           |
| HR6477           | DEF3:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6478           |                                                                         |        |        | HR6477 (Lo-16bits)           |
| HR6479           | DEF3:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6480           |                                                                         |        |        | HR6479 (Lo-16bits)           |
| HR6481           | DEF3:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6482           |                                                                         |        |        | HR6481 (Lo-16bits)           |
| HR6483           | DEF3:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6484           |                                                                         |        |        | HR6483 (Lo-16bits)           |



| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6485           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6486           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6487           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6488           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6489           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6490           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6491           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6492           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6493           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6494           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6495           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6496           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6497           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6498           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6499           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6500           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6501           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6502           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |

| Holding Register | Parameter                         | Access | Length |                                                             |
|------------------|-----------------------------------|--------|--------|-------------------------------------------------------------|
| HR6503           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6504           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6505           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6506           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6507           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6508           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6509           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6510           |                                   |        |        | HR6509 (Lo-16bits)                                          |
| HR6511           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6512           |                                   |        |        | HR6511 (Lo-16bits)                                          |
| HR6513           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6514           |                                   |        |        | HR6513 (Lo-16bits)                                          |
| HR6515           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6516           |                                   |        |        | HR6515 (Lo-16bits)                                          |
| HR6517           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6518           |                                   |        |        | HR6517 (Lo-16bits)                                          |
| HR6519           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6520           |                                   |        |        | HR6519 (Lo-16bits)                                          |
| HR6521           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6522           |                                   |        |        | HR6521 (Lo-16bits)                                          |
| HR6523           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6524           |                                   |        |        | HR6523 (Lo-16bits)                                          |
| HR6525           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |
| HR6526           |                                   |        |        | HR6525 (Lo-16bits)                                          |
| HR6527           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |

| Holding Register | Parameter                                         | Access | Length |                                |
|------------------|---------------------------------------------------|--------|--------|--------------------------------|
| HR6528           |                                                   |        |        | HR6527 (Lo-16bits)             |
| HR6529           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6530           |                                                   |        |        | HR6529 (Lo-16bits)             |
| HR6531           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6532           |                                                   |        |        | HR6531 (Lo-16bits)             |
| HR6533           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6534           |                                                   |        |        | HR6533 (Lo-16bits)             |
| HR6535           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6536           |                                                   |        |        | HR6535 (Lo-16bits)             |
| HR6537           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6538           |                                                   |        |        | HR6537 (Lo-16bits)             |
| HR6539           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6540           |                                                   |        |        | HR6539 (Lo-16bits)             |
| HR6541           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6542           |                                                   |        |        | HR6541 (Lo-16bits)             |
| HR6543           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6544           |                                                   |        |        | HR6543 (Lo-16bits)             |
| HR6545           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6546           |                                                   |        |        | HR6545 (Lo-16bits)             |
| HR6547           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6548           |                                                   |        |        | HR6547 (Lo-16bits)             |
| HR6549           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6550           |                                                   |        |        | HR6549 (Lo-16bits)             |
| HR6551           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR6552           |                                                |        |        | HR6551 (Lo-16bits)             |
| HR6553           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6554           |                                                |        |        | HR6553 (Lo-16bits)             |
| HR6555           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6556           |                                                |        |        | HR6555 (Lo-16bits)             |
| HR6557           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6558           |                                                |        |        | HR6557 (Lo-16bits)             |
| HR6559           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6560           |                                                |        |        | HR6559 (Lo-16bits)             |
| HR6561           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6562           |                                                |        |        | HR6561 (Lo-16bits)             |
| HR6563           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6564           |                                                |        |        | HR6563 (Lo-16bits)             |
| HR6565           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6566           |                                                |        |        | HR6565 (Lo-16bits)             |
| HR6567           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6568           |                                                |        |        | HR6567 (Lo-16bits)             |
| HR6569           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6570           |                                                |        |        | HR6569 (Lo-16bits)             |
| HR6571           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6572           |                                                |        |        | HR6571 (Lo-16bits)             |
| HR6573           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |
| HR6574           |                                                |        |        | HR6573 (Lo-16bits)             |
| HR6575           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |

| Holding Register | Parameter                                         | Access | Length |                              |
|------------------|---------------------------------------------------|--------|--------|------------------------------|
| HR6576           |                                                   |        |        | HR6575 (Lo-16bits)           |
| HR6577           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6578           |                                                   |        |        | HR6577 (Lo-16bits)           |
| HR6579           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6580           |                                                   |        |        | HR6579 (Lo-16bits)           |
| HR6581           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6582           |                                                   |        |        | HR6581 (Lo-16bits)           |
| HR6583           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6584           |                                                   |        |        | HR6583 (Lo-16bits)           |
| HR6585           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6586           |                                                   |        |        | HR6585 (Lo-16bits)           |
| HR6587           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6588           |                                                   |        |        | HR6587 (Lo-16bits)           |
| HR6589           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6590           |                                                   |        |        | HR6589 (Lo-16bits)           |
| HR6591           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6592           |                                                   |        |        | HR6591 (Lo-16bits)           |
| HR6593           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6594           |                                                   |        |        | HR6593 (Lo-16bits)           |
| HR6595           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6596           |                                                   |        |        | HR6595 (Lo-16bits)           |
| HR6597           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6598           |                                                   |        |        | HR6597 (Lo-16bits)           |
| HR6599           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6600           |                                                |        |        | HR6599 (Lo-16bits)          |
| HR6601           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6602           |                                                |        |        | HR6601 (Lo-16bits)          |
| HR6603           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6604           |                                                |        |        | HR6603 (Lo-16bits)          |
| HR6605           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6606           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6607           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6608           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6609           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6610           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6611           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6612           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6613           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6614           |                                                |        |        | HR6613 (Lo-16bits)          |
| HR6615           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6616           |                                                |        |        | HR6615 (Lo-16bits)          |
| HR6617           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6618           |                                                |        |        | HR6617 (Lo-16bits)          |
| HR6619           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6620           |                                                |        |        | HR6619 (Lo-16bits)          |
| HR6621           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6622           |                                                |        |        | HR6621 (Lo-16bits)          |
| HR6623           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6624           |                                                |        |        | HR6623 (Lo-16bits)          |

| Holding Register | Parameter                                        | Access | Length |                                |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6625           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6626           |                                                  |        |        | HR6625 (Lo-16bits)             |
| HR6627           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6628           |                                                  |        |        | HR6627 (Lo-16bits)             |
| HR6629           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6630           |                                                  |        |        | HR6629 (Lo-16bits)             |
| HR6631           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6632           |                                                  |        |        | HR6631 (Lo-16bits)             |
| HR6633           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6634           |                                                  |        |        | HR6633 (Lo-16bits)             |
| HR6635           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6636           |                                                  |        |        | HR6635 (Lo-16bits)             |
| HR6637           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6638           |                                                  |        |        | HR6637 (Lo-16bits)             |
| HR6639           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6640           |                                                  |        |        | HR6639 (Lo-16bits)             |
| HR6641           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6642           |                                                  |        |        | HR6641 (Lo-16bits)             |
| HR6643           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6644           |                                                  |        |        | HR6643 (Lo-16bits)             |
| HR6645           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6646           |                                                  |        |        | HR6645 (Lo-16bits)             |
| HR6647           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6648           |                                                  |        |        | HR6647 (Lo-16bits)             |
| HR6649           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR6650           |                                                 |        |        | HR6649 (Lo-16bits)             |
| HR6651           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6652           |                                                 |        |        | HR6651 (Lo-16bits)             |
| HR6653           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6654           |                                                 |        |        | HR6653 (Lo-16bits)             |
| HR6655           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6656           |                                                 |        |        | HR6655 (Lo-16bits)             |
| HR6657           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6658           |                                                 |        |        | HR6657 (Lo-16bits)             |
| HR6659           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6660           |                                                 |        |        | HR6659 (Lo-16bits)             |
| HR6661           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6662           |                                                 |        |        | HR6661 (Lo-16bits)             |
| HR6663           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6664           |                                                 |        |        | HR6663 (Lo-16bits)             |
| HR6665           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6666           |                                                 |        |        | HR6665 (Lo-16bits)             |
| HR6667           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6668           |                                                 |        |        | HR6667 (Lo-16bits)             |
| HR6669           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6670           |                                                 |        |        | HR6669 (Lo-16bits)             |
| HR6671           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6672           |                                                 |        |        | HR6671 (Lo-16bits)             |
| HR6673           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6674           |                                                 |        |        | HR6673 (Lo-16bits)             |
| HR6675           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6676           |                                                 |        |        | HR6675 (Lo-16bits)             |
| HR6677           | DEF4:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |



| Holding Register | Parameter                                        | Access | Length |                                                       |
|------------------|--------------------------------------------------|--------|--------|-------------------------------------------------------|
| HR6678           |                                                  |        |        | HR6677 (Lo-16bits)                                    |
| HR6679           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6680           |                                                  |        |        | HR6679 (Lo-16bits)                                    |
| HR6681           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6682           |                                                  |        |        | HR6681 (Lo-16bits)                                    |
| HR6683           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6684           |                                                  |        |        | HR6683 (Lo-16bits)                                    |
| HR6685           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6686           |                                                  |        |        | HR6685 (Lo-16bits)                                    |
| HR6687           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6688           |                                                  |        |        | HR6687 (Lo-16bits)                                    |
| HR6689           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6690           |                                                  |        |        | HR6689 (Lo-16bits)                                    |
| HR6691           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6692           |                                                  |        |        | HR6691 (Lo-16bits)                                    |
| HR6693           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6694           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6695           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6696           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6697           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6698           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6699           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6700           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6701           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                           |
| HR6702           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                           |
| HR6703           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                           |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR6704           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6705           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6706           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6707           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6708           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6709           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6710           |                                                 |        |        | HR6709 (Lo-16bits)           |
| HR6711           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6712           |                                                 |        |        | HR6711 (Lo-16bits)           |
| HR6713           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6714           |                                                 |        |        | HR6713 (Lo-16bits)           |
| HR6715           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6716           |                                                 |        |        | HR6715 (Lo-16bits)           |
| HR6717           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6718           |                                                 |        |        | HR6717 (Lo-16bits)           |
| HR6719           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6720           |                                                 |        |        | HR6719 (Lo-16bits)           |
| HR6721           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6722           |                                                 |        |        | HR6721 (Lo-16bits)           |
| HR6723           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6724           |                                                 |        |        | HR6723 (Lo-16bits)           |
| HR6725           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6726           |                                                 |        |        | HR6725 (Lo-16bits)           |
| HR6727           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6728           |                                                 |        |        | HR6727 (Lo-16bits)           |

| Holding Register | Parameter                                     | Access | Length |                              |
|------------------|-----------------------------------------------|--------|--------|------------------------------|
| HR6729           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6730           |                                               |        |        | HR6729 (Lo-16bits)           |
| HR6731           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6732           |                                               |        |        | HR6731 (Lo-16bits)           |
| HR6733           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6734           |                                               |        |        | HR6733 (Lo-16bits)           |
| HR6735           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6736           |                                               |        |        | HR6735 (Lo-16bits)           |
| HR6737           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6738           |                                               |        |        | HR6737 (Lo-16bits)           |
| HR6739           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6740           |                                               |        |        | HR6739 (Lo-16bits)           |
| HR6741           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6742           |                                               |        |        | HR6741 (Lo-16bits)           |
| HR6743           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6744           |                                               |        |        | HR6743 (Lo-16bits)           |
| HR6745           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6746           |                                               |        |        | HR6745 (Lo-16bits)           |
| HR6747           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6748           |                                               |        |        | HR6747 (Lo-16bits)           |
| HR6749           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6750           |                                               |        |        | HR6749 (Lo-16bits)           |
| HR6751           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6752           |                                               |        |        | HR6751 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6753           | DEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6754           |                                              |        |        | HR6753 (Lo-16bits)                                          |
| HR6755           | DEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6756           |                                              |        |        | HR6755 (Lo-16bits)                                          |
| HR6757           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6758           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6759           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6760           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6761           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6762           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6763           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6764           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6765           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6766           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6767           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6768           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6769           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6770           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6771           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6772           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6773           | DEF4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6774           | DEF4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6775           | DEF4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR6776           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6777           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6778           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6779           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6780           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6781           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6782           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6783           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6784           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6785           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6786           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6787           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6788           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6789           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6790           |                               |        |        | HR6789 (Lo-16bits)                                          |
| HR6791           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6792           |                               |        |        | HR6791 (Lo-16bits)                                          |
| HR6793           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6794           |                               |        |        | HR6793 (Lo-16bits)                                          |
| HR6795           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6796           |                               |        |        | HR6795 (Lo-16bits)                                          |
| HR6797           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6798           |                               |        |        | HR6797 (Lo-16bits)                                          |
| HR6799           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6800           |                          |        |        | HR6799 (Lo-16bits)            |
| HR6801           | DEF4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6802           |                          |        |        | HR6801 (Lo-16bits)            |
| HR6803           | DEF4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6804           |                          |        |        | HR6803 (Lo-16bits)            |
| HR6805           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6806           |                          |        |        | HR6805 (Lo-16bits)            |
| HR6807           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6808           |                          |        |        | HR6807 (Lo-16bits)            |
| HR6809           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6810           |                          |        |        | HR6809 (Lo-16bits)            |
| HR6811           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6812           |                          |        |        | HR6811 (Lo-16bits)            |
| HR6813           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6814           |                          |        |        | HR6813 (Lo-16bits)            |
| HR6815           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6816           |                          |        |        | HR6815 (Lo-16bits)            |
| HR6817           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6818           |                          |        |        | HR6817 (Lo-16bits)            |
| HR6819           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6820           |                          |        |        | HR6819 (Lo-16bits)            |
| HR6821           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6822           |                          |        |        | HR6821 (Lo-16bits)            |
| HR6823           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6824           |                          |        |        | HR6823 (Lo-16bits)            |
| HR6825           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6826           |                          |        |        | HR6825 (Lo-16bits)            |
| HR6827           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6828           |                          |        |        | HR6827 (Lo-16bits)            |
| HR6829           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6830           |                                                    |        |        | HR6829 (Lo-16bits)          |
| HR6831           | DEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6832           |                                                    |        |        | HR6831 (Lo-16bits)          |
| HR6833           | DEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6834           |                                                    |        |        | HR6833 (Lo-16bits)          |
| HR6835           | DEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6836           |                                                    |        |        | HR6835 (Lo-16bits)          |
| HR6837           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6838           |                                                    |        |        | HR6837 (Lo-16bits)          |
| HR6839           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6840           |                                                    |        |        | HR6839 (Lo-16bits)          |
| HR6841           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6842           |                                                    |        |        | HR6841 (Lo-16bits)          |
| HR6843           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6844           |                                                    |        |        | HR6843 (Lo-16bits)          |
| HR6845           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6846           |                                                    |        |        | HR6845 (Lo-16bits)          |
| HR6847           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6848           |                                                    |        |        | HR6847 (Lo-16bits)          |
| HR6849           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6850           |                                                    |        |        | HR6849 (Lo-16bits)          |
| HR6851           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6852           |                                                    |        |        | HR6851 (Lo-16bits)          |
| HR6853           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6854           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6855           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6856           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6857           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR6858           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6859           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6860           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6861           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6862           |                                                    |        |        | HR6861 (Lo-16bits)           |
| HR6863           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6864           |                                                    |        |        | HR6863 (Lo-16bits)           |
| HR6865           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6866           |                                                    |        |        | HR6865 (Lo-16bits)           |
| HR6867           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6868           |                                                    |        |        | HR6867 (Lo-16bits)           |
| HR6869           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6870           |                                                    |        |        | HR6869 (Lo-16bits)           |
| HR6871           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6872           |                                                    |        |        | HR6871 (Lo-16bits)           |
| HR6873           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6874           |                                                    |        |        | HR6873 (Lo-16bits)           |
| HR6875           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6876           |                                                    |        |        | HR6875 (Lo-16bits)           |
| HR6877           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6878           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6879           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6880           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |



| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR6881           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6882           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6883           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6884           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6885           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6886           |                                            |        |        | HR6885 (Lo-16bits)          |
| HR6887           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6888           |                                            |        |        | HR6887 (Lo-16bits)          |
| HR6889           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6890           |                                            |        |        | HR6889 (Lo-16bits)          |
| HR6891           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6892           |                                            |        |        | HR6891 (Lo-16bits)          |
| HR6893           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6894           |                                            |        |        | HR6893 (Lo-16bits)          |
| HR6895           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6896           |                                            |        |        | HR6895 (Lo-16bits)          |
| HR6897           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6898           |                                            |        |        | HR6897 (Lo-16bits)          |
| HR6899           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6900           |                                            |        |        | HR6899 (Lo-16bits)          |
| HR6901           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6902           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6903           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6904           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6905           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR6906           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR6907           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR6908           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR6909           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6910           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6911           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6912           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6913           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6914           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6915           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6916           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6917           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6918           |                                                    |        |        | HR6917 (Lo-16bits)            |
| HR6919           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6920           |                                                    |        |        | HR6919 (Lo-16bits)            |
| HR6921           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6922           |                                                    |        |        | HR6921 (Lo-16bits)            |
| HR6923           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6924           |                                                    |        |        | HR6923 (Lo-16bits)            |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR6925           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6926           |                               |        |        | HR6925 (Lo-16bits)            |
| HR6927           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6928           |                               |        |        | HR6927 (Lo-16bits)            |
| HR6929           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6930           |                               |        |        | HR6929 (Lo-16bits)            |
| HR6931           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6932           |                               |        |        | HR6931 (Lo-16bits)            |
| HR6933           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6934           |                               |        |        | HR6933 (Lo-16bits)            |
| HR6935           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6936           |                               |        |        | HR6935 (Lo-16bits)            |
| HR6937           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6938           |                               |        |        | HR6937 (Lo-16bits)            |
| HR6939           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6940           |                               |        |        | HR6939 (Lo-16bits)            |
| HR6941           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6942           |                               |        |        | HR6941 (Lo-16bits)            |
| HR6943           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6944           |                               |        |        | HR6943 (Lo-16bits)            |
| HR6945           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6946           |                               |        |        | HR6945 (Lo-16bits)            |
| HR6947           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6948           |                               |        |        | HR6947 (Lo-16bits)            |
| HR6949           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR6950           |                               |        |        | HR6949 (Lo-16bits)            |
| HR6951           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6952           |                                              |        |        | HR6951 (Lo-16bits)           |
| HR6953           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6954           |                                              |        |        | HR6953 (Lo-16bits)           |
| HR6955           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6956           |                                              |        |        | HR6955 (Lo-16bits)           |
| HR6957           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6958           |                                              |        |        | HR6957 (Lo-16bits)           |
| HR6959           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6960           |                                              |        |        | HR6959 (Lo-16bits)           |
| HR6961           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6962           |                                              |        |        | HR6961 (Lo-16bits)           |
| HR6963           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6964           |                                              |        |        | HR6963 (Lo-16bits)           |
| HR6965           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6966           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6967           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6968           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6969           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6970           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6971           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6972           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6973           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6974           |                                              |        |        | HR6973 (Lo-16bits)           |
| HR6975           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6976           |                                              |        |        | HR6975 (Lo-16bits)           |
| HR6977           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6978           |                                              |        |        | HR6977 (Lo-16bits)           |
| HR6979           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6980           |                                              |        |        | HR6979 (Lo-16bits)           |
| HR6981           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6982           |                                              |        |        | HR6981 (Lo-16bits)           |
| HR6983           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6984           |                                              |        |        | HR6983 (Lo-16bits)           |
| HR6985           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6986           |                                              |        |        | HR6985 (Lo-16bits)           |
| HR6987           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6988           |                                              |        |        | HR6987 (Lo-16bits)           |
| HR6989           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6990           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6991           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6992           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6993           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6994           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6995           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6996           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6997           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6998           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6999           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7000           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7001           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7002           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7003           | CUB1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7004           | CUB1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7005           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7006           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7007           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7008           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7009           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7010           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7011           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7012           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7013           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7014           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7015           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7016           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7017           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7018           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7019           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7020           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7021           | CUB1:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7022           |                                |        |        | HR7021 (Lo-16bits)                                          |
| HR7023           | CUB1:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7024           |                          |        |        | HR7023 (Lo-16bits)            |
| HR7025           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7026           |                          |        |        | HR7025 (Lo-16bits)            |
| HR7027           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7028           |                          |        |        | HR7027 (Lo-16bits)            |
| HR7029           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7030           |                          |        |        | HR7029 (Lo-16bits)            |
| HR7031           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7032           |                          |        |        | HR7031 (Lo-16bits)            |
| HR7033           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7034           |                          |        |        | HR7033 (Lo-16bits)            |
| HR7035           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7036           |                          |        |        | HR7035 (Lo-16bits)            |
| HR7037           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7038           |                          |        |        | HR7037 (Lo-16bits)            |
| HR7039           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7040           |                          |        |        | HR7039 (Lo-16bits)            |
| HR7041           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7042           |                          |        |        | HR7041 (Lo-16bits)            |
| HR7043           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7044           |                          |        |        | HR7043 (Lo-16bits)            |
| HR7045           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7046           |                          |        |        | HR7045 (Lo-16bits)            |
| HR7047           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7048           |                          |        |        | HR7047 (Lo-16bits)            |
| HR7049           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7050           |                          |        |        | HR7049 (Lo-16bits)            |
| HR7051           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7052           |                          |        |        | HR7051 (Lo-16bits)            |
| HR7053           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7054           |                    |        |        | HR7053 (Lo-16bits)          |
| HR7055           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7056           |                    |        |        | HR7055 (Lo-16bits)          |
| HR7057           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7058           |                    |        |        | HR7057 (Lo-16bits)          |
| HR7059           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7060           |                    |        |        | HR7059 (Lo-16bits)          |
| HR7061           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7062           |                    |        |        | HR7061 (Lo-16bits)          |
| HR7063           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7064           |                    |        |        | HR7063 (Lo-16bits)          |
| HR7065           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7066           |                    |        |        | HR7065 (Lo-16bits)          |
| HR7067           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7068           |                    |        |        | HR7067 (Lo-16bits)          |
| HR7069           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7070           |                    |        |        | HR7069 (Lo-16bits)          |
| HR7071           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7072           |                    |        |        | HR7071 (Lo-16bits)          |
| HR7073           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7074           |                    |        |        | HR7073 (Lo-16bits)          |
| HR7075           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7076           |                    |        |        | HR7075 (Lo-16bits)          |
| HR7077           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7078           |                    |        |        | HR7077 (Lo-16bits)          |
| HR7079           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7080           |                    |        |        | HR7079 (Lo-16bits)          |
| HR7081           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7082           |                    |        |        | HR7081 (Lo-16bits)          |
| HR7083           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |



| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR7084           |                                            |        |        | HR7083 (Lo-16bits)          |
| HR7085           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7086           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7087           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7088           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7089           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7090           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7091           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7092           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7093           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7094           |                                            |        |        | HR7093 (Lo-16bits)          |
| HR7095           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7096           |                                            |        |        | HR7095 (Lo-16bits)          |
| HR7097           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7098           |                                            |        |        | HR7097 (Lo-16bits)          |
| HR7099           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7100           |                                            |        |        | HR7099 (Lo-16bits)          |
| HR7101           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7102           |                                            |        |        | HR7101 (Lo-16bits)          |
| HR7103           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7104           |                                            |        |        | HR7103 (Lo-16bits)          |
| HR7105           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7106           |                                            |        |        | HR7105 (Lo-16bits)          |
| HR7107           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7108           |                                            |        |        | HR7107 (Lo-16bits)          |
| HR7109           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7110           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7111           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7112           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7113           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7114           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7115           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7116           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7117           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7118           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7119           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7120           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7121           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7122           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7123           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7124           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7125           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7126           |                                                    |        |        | HR7125 (Lo-16bits)            |
| HR7127           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7128           |                               |        |        | HR7127 (Lo-16bits)            |
| HR7129           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7130           |                               |        |        | HR7129 (Lo-16bits)            |
| HR7131           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7132           |                               |        |        | HR7131 (Lo-16bits)            |
| HR7133           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7134           |                               |        |        | HR7133 (Lo-16bits)            |
| HR7135           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7136           |                               |        |        | HR7135 (Lo-16bits)            |
| HR7137           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7138           |                               |        |        | HR7137 (Lo-16bits)            |
| HR7139           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7140           |                               |        |        | HR7139 (Lo-16bits)            |
| HR7141           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7142           |                               |        |        | HR7141 (Lo-16bits)            |
| HR7143           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7144           |                               |        |        | HR7143 (Lo-16bits)            |
| HR7145           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7146           |                               |        |        | HR7145 (Lo-16bits)            |
| HR7147           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7148           |                               |        |        | HR7147 (Lo-16bits)            |
| HR7149           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7150           |                               |        |        | HR7149 (Lo-16bits)            |
| HR7151           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7152           |                               |        |        | HR7151 (Lo-16bits)            |
| HR7153           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7154           |                               |        |        | HR7153 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7155           | CUB2:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7156           |                            |        |        | HR7155 (Lo-16bits)           |
| HR7157           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7158           |                            |        |        | HR7157 (Lo-16bits)           |
| HR7159           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7160           |                            |        |        | HR7159 (Lo-16bits)           |
| HR7161           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7162           |                            |        |        | HR7161 (Lo-16bits)           |
| HR7163           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7164           |                            |        |        | HR7163 (Lo-16bits)           |
| HR7165           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7166           |                            |        |        | HR7165 (Lo-16bits)           |
| HR7167           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7168           |                            |        |        | HR7167 (Lo-16bits)           |
| HR7169           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7170           |                            |        |        | HR7169 (Lo-16bits)           |
| HR7171           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7172           |                            |        |        | HR7171 (Lo-16bits)           |
| HR7173           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7174           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7175           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7176           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7177           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7178           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7179           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7180           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7181           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7182           |                                              |        |        | HR7181 (Lo-16bits)           |
| HR7183           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7184           |                                              |        |        | HR7183 (Lo-16bits)           |
| HR7185           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7186           |                                              |        |        | HR7185 (Lo-16bits)           |
| HR7187           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7188           |                                              |        |        | HR7187 (Lo-16bits)           |
| HR7189           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7190           |                                              |        |        | HR7189 (Lo-16bits)           |
| HR7191           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7192           |                                              |        |        | HR7191 (Lo-16bits)           |
| HR7193           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7194           |                                              |        |        | HR7193 (Lo-16bits)           |
| HR7195           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7196           |                                              |        |        | HR7195 (Lo-16bits)           |
| HR7197           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7198           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7199           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7200           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7201           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7202           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7203           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7204           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7205           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7206           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7207           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7208           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7209           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7210           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7211           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7212           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7213           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7214           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7215           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7216           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7217           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7218           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7219           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7220           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7221           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7222           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7223           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7224           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7225           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7226           | CUB2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7227           | CUB2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7228           | CUB2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7229           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7230           |                               |        |        | HR7229 (Lo-16bits)            |
| HR7231           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7232           |                               |        |        | HR7231 (Lo-16bits)            |
| HR7233           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7234           |                               |        |        | HR7233 (Lo-16bits)            |
| HR7235           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7236           |                               |        |        | HR7235 (Lo-16bits)            |
| HR7237           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7238           |                               |        |        | HR7237 (Lo-16bits)            |
| HR7239           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7240           |                               |        |        | HR7239 (Lo-16bits)            |
| HR7241           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7242           |                               |        |        | HR7241 (Lo-16bits)            |
| HR7243           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7244           |                               |        |        | HR7243 (Lo-16bits)            |
| HR7245           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7246           |                               |        |        | HR7245 (Lo-16bits)            |
| HR7247           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7248           |                               |        |        | HR7247 (Lo-16bits)            |
| HR7249           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7250           |                               |        |        | HR7249 (Lo-16bits)            |
| HR7251           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7252           |                               |        |        | HR7251 (Lo-16bits)            |
| HR7253           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7254           |                               |        |        | HR7253 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7255           | CUB2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7256           |                    |        |        | HR7255 (Lo-16bits)          |
| HR7257           | CUB2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7258           |                    |        |        | HR7257 (Lo-16bits)          |
| HR7259           | CUB2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7260           |                    |        |        | HR7259 (Lo-16bits)          |
| HR7261           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7262           |                    |        |        | HR7261 (Lo-16bits)          |
| HR7263           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7264           |                    |        |        | HR7263 (Lo-16bits)          |
| HR7265           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7266           |                    |        |        | HR7265 (Lo-16bits)          |
| HR7267           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7268           |                    |        |        | HR7267 (Lo-16bits)          |
| HR7269           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7270           |                    |        |        | HR7269 (Lo-16bits)          |
| HR7271           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7272           |                    |        |        | HR7271 (Lo-16bits)          |
| HR7273           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7274           |                    |        |        | HR7273 (Lo-16bits)          |
| HR7275           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7276           |                    |        |        | HR7275 (Lo-16bits)          |
| HR7277           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7278           |                    |        |        | HR7277 (Lo-16bits)          |
| HR7279           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7280           |                    |        |        | HR7279 (Lo-16bits)          |
| HR7281           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7282           |                    |        |        | HR7281 (Lo-16bits)          |
| HR7283           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7284           |                    |        |        | HR7283 (Lo-16bits)          |



| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7285           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7286           |                              |        |        | HR7285 (Lo-16bits)          |
| HR7287           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7288           |                              |        |        | HR7287 (Lo-16bits)          |
| HR7289           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7290           |                              |        |        | HR7289 (Lo-16bits)          |
| HR7291           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7292           |                              |        |        | HR7291 (Lo-16bits)          |
| HR7293           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7294           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7295           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7296           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7297           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7298           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7299           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7300           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7301           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7302           |                              |        |        | HR7301 (Lo-16bits)          |
| HR7303           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7304           |                              |        |        | HR7303 (Lo-16bits)          |
| HR7305           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7306           |                              |        |        | HR7305 (Lo-16bits)          |
| HR7307           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7308           |                              |        |        | HR7307 (Lo-16bits)          |
| HR7309           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7310           |                              |        |        | HR7309 (Lo-16bits)          |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7311           | CUB2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7312           |                                                    |        |        | HR7311 (Lo-16bits)          |
| HR7313           | CUB2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7314           |                                                    |        |        | HR7313 (Lo-16bits)          |
| HR7315           | CUB2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7316           |                                                    |        |        | HR7315 (Lo-16bits)          |
| HR7317           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7318           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7319           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7320           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7321           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7322           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7323           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7324           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7325           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7326           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7327           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7328           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7329           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7330           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7331           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7332           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7333           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7334           |                                                    |        |        | HR7333 (Lo-16bits)            |
| HR7335           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7336           |                                                    |        |        | HR7335 (Lo-16bits)            |
| HR7337           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7338           |                                                    |        |        | HR7337 (Lo-16bits)            |
| HR7339           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7340           |                                                    |        |        | HR7339 (Lo-16bits)            |
| HR7341           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7342           |                                                    |        |        | HR7341 (Lo-16bits)            |
| HR7343           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7344           |                                                    |        |        | HR7343 (Lo-16bits)            |
| HR7345           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7346           |                                                    |        |        | HR7345 (Lo-16bits)            |
| HR7347           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7348           |                                                    |        |        | HR7347 (Lo-16bits)            |
| HR7349           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7350           |                                                    |        |        | HR7349 (Lo-16bits)            |
| HR7351           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7352           |                                                    |        |        | HR7351 (Lo-16bits)            |
| HR7353           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7354           |                                                    |        |        | HR7353 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7355           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7356           |                            |        |        | HR7355 (Lo-16bits)           |
| HR7357           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7358           |                            |        |        | HR7357 (Lo-16bits)           |
| HR7359           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7360           |                            |        |        | HR7359 (Lo-16bits)           |
| HR7361           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7362           |                            |        |        | HR7361 (Lo-16bits)           |
| HR7363           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7364           |                            |        |        | HR7363 (Lo-16bits)           |
| HR7365           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7366           |                            |        |        | HR7365 (Lo-16bits)           |
| HR7367           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7368           |                            |        |        | HR7367 (Lo-16bits)           |
| HR7369           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7370           |                            |        |        | HR7369 (Lo-16bits)           |
| HR7371           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7372           |                            |        |        | HR7371 (Lo-16bits)           |
| HR7373           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7374           |                            |        |        | HR7373 (Lo-16bits)           |
| HR7375           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7376           |                            |        |        | HR7375 (Lo-16bits)           |
| HR7377           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7378           |                            |        |        | HR7377 (Lo-16bits)           |
| HR7379           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7380           |                            |        |        | HR7379 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7381           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7382           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7383           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7384           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7385           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7386           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7387           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7388           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7389           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7390           |                                              |        |        | HR7389 (Lo-16bits)           |
| HR7391           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7392           |                                              |        |        | HR7391 (Lo-16bits)           |
| HR7393           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7394           |                                              |        |        | HR7393 (Lo-16bits)           |
| HR7395           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7396           |                                              |        |        | HR7395 (Lo-16bits)           |
| HR7397           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7398           |                                              |        |        | HR7397 (Lo-16bits)           |
| HR7399           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7400           |                                              |        |        | HR7399 (Lo-16bits)           |
| HR7401           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7402           |                                              |        |        | HR7401 (Lo-16bits)           |
| HR7403           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7404           |                                              |        |        | HR7403 (Lo-16bits)           |
| HR7405           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7406           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7407           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7408           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7409           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7410           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7411           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7412           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7413           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7414           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7415           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7416           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7417           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7418           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7419           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7420           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7421           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7422           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7423           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7424           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7425           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7426           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7427           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7428           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7429           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7430           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7431           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7432           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7433           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7434           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7435           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7436           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7437           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7438           |                               |        |        | HR7437 (Lo-16bits)            |
| HR7439           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7440           |                               |        |        | HR7439 (Lo-16bits)            |
| HR7441           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7442           |                               |        |        | HR7441 (Lo-16bits)            |
| HR7443           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7444           |                               |        |        | HR7443 (Lo-16bits)            |
| HR7445           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7446           |                               |        |        | HR7445 (Lo-16bits)            |
| HR7447           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7448           |                               |        |        | HR7447 (Lo-16bits)            |
| HR7449           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7450           |                               |        |        | HR7449 (Lo-16bits)            |
| HR7451           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7452           |                               |        |        | HR7451 (Lo-16bits)            |
| HR7453           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7454           |                               |        |        | HR7453 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7455           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7456           |                    |        |        | HR7455 (Lo-16bits)          |
| HR7457           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7458           |                    |        |        | HR7457 (Lo-16bits)          |
| HR7459           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7460           |                    |        |        | HR7459 (Lo-16bits)          |
| HR7461           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7462           |                    |        |        | HR7461 (Lo-16bits)          |
| HR7463           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7464           |                    |        |        | HR7463 (Lo-16bits)          |
| HR7465           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7466           |                    |        |        | HR7465 (Lo-16bits)          |
| HR7467           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7468           |                    |        |        | HR7467 (Lo-16bits)          |
| HR7469           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7470           |                    |        |        | HR7469 (Lo-16bits)          |
| HR7471           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7472           |                    |        |        | HR7471 (Lo-16bits)          |
| HR7473           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7474           |                    |        |        | HR7473 (Lo-16bits)          |
| HR7475           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7476           |                    |        |        | HR7475 (Lo-16bits)          |
| HR7477           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7478           |                    |        |        | HR7477 (Lo-16bits)          |
| HR7479           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7480           |                    |        |        | HR7479 (Lo-16bits)          |
| HR7481           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7482           |                    |        |        | HR7481 (Lo-16bits)          |
| HR7483           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7484           |                    |        |        | HR7483 (Lo-16bits)          |



| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7485           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7486           |                              |        |        | HR7485 (Lo-16bits)          |
| HR7487           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7488           |                              |        |        | HR7487 (Lo-16bits)          |
| HR7489           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7490           |                              |        |        | HR7489 (Lo-16bits)          |
| HR7491           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7492           |                              |        |        | HR7491 (Lo-16bits)          |
| HR7493           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7494           |                              |        |        | HR7493 (Lo-16bits)          |
| HR7495           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7496           |                              |        |        | HR7495 (Lo-16bits)          |
| HR7497           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7498           |                              |        |        | HR7497 (Lo-16bits)          |
| HR7499           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7500           |                              |        |        | HR7499 (Lo-16bits)          |
| HR7501           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7502           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7503           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7504           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7505           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7506           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7507           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7508           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7509           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7510           |                              |        |        | HR7509 (Lo-16bits)          |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7511           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7512           |                                                    |        |        | HR7511 (Lo-16bits)          |
| HR7513           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7514           |                                                    |        |        | HR7513 (Lo-16bits)          |
| HR7515           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7516           |                                                    |        |        | HR7515 (Lo-16bits)          |
| HR7517           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7518           |                                                    |        |        | HR7517 (Lo-16bits)          |
| HR7519           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7520           |                                                    |        |        | HR7519 (Lo-16bits)          |
| HR7521           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7522           |                                                    |        |        | HR7521 (Lo-16bits)          |
| HR7523           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7524           |                                                    |        |        | HR7523 (Lo-16bits)          |
| HR7525           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7526           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7527           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7528           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7529           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7530           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7531           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7532           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7533           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7534           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7535           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7536           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7537           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7538           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7539           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7540           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7541           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7542           |                                                    |        |        | HR7541 (Lo-16bits)            |
| HR7543           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7544           |                                                    |        |        | HR7543 (Lo-16bits)            |
| HR7545           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7546           |                                                    |        |        | HR7545 (Lo-16bits)            |
| HR7547           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7548           |                                                    |        |        | HR7547 (Lo-16bits)            |
| HR7549           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7550           |                                                    |        |        | HR7549 (Lo-16bits)            |
| HR7551           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7552           |                                                    |        |        | HR7551 (Lo-16bits)            |
| HR7553           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7554           |                                                    |        |        | HR7553 (Lo-16bits)            |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7555           | CUB4:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7556           |                               |        |        | HR7555 (Lo-16bits)            |
| HR7557           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7558           |                               |        |        | HR7557 (Lo-16bits)            |
| HR7559           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7560           |                               |        |        | HR7559 (Lo-16bits)            |
| HR7561           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7562           |                               |        |        | HR7561 (Lo-16bits)            |
| HR7563           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7564           |                               |        |        | HR7563 (Lo-16bits)            |
| HR7565           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7566           |                               |        |        | HR7565 (Lo-16bits)            |
| HR7567           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7568           |                               |        |        | HR7567 (Lo-16bits)            |
| HR7569           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7570           |                               |        |        | HR7569 (Lo-16bits)            |
| HR7571           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7572           |                               |        |        | HR7571 (Lo-16bits)            |
| HR7573           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7574           |                               |        |        | HR7573 (Lo-16bits)            |
| HR7575           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7576           |                               |        |        | HR7575 (Lo-16bits)            |
| HR7577           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7578           |                               |        |        | HR7577 (Lo-16bits)            |
| HR7579           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7580           |                               |        |        | HR7579 (Lo-16bits)            |
| HR7581           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7582           |                                              |        |        | HR7581 (Lo-16bits)           |
| HR7583           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7584           |                                              |        |        | HR7583 (Lo-16bits)           |
| HR7585           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7586           |                                              |        |        | HR7585 (Lo-16bits)           |
| HR7587           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7588           |                                              |        |        | HR7587 (Lo-16bits)           |
| HR7589           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7590           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7591           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7592           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7593           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7594           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7595           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7596           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7597           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7598           |                                              |        |        | HR7597 (Lo-16bits)           |
| HR7599           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7600           |                                              |        |        | HR7599 (Lo-16bits)           |
| HR7601           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7602           |                                              |        |        | HR7601 (Lo-16bits)           |
| HR7603           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7604           |                                              |        |        | HR7603 (Lo-16bits)           |
| HR7605           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7606           |                                              |        |        | HR7605 (Lo-16bits)           |
| HR7607           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR7608           |                                              |        |        | HR7607 (Lo-16bits)                                          |
| HR7609           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR7610           |                                              |        |        | HR7609 (Lo-16bits)                                          |
| HR7611           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR7612           |                                              |        |        | HR7611 (Lo-16bits)                                          |
| HR7613           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7614           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7615           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7616           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7617           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7618           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7619           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7620           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7621           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7622           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7623           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7624           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7625           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7626           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7627           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7628           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7629           | CUB4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7630           | CUB4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7631           | CUB4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR7632           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7633           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7634           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7635           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7636           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7637           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7638           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7639           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7640           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7641           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7642           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7643           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7644           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7645           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7646           |                               |        |        | HR7645 (Lo-16bits)                                          |
| HR7647           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7648           |                               |        |        | HR7647 (Lo-16bits)                                          |
| HR7649           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7650           |                               |        |        | HR7649 (Lo-16bits)                                          |
| HR7651           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7652           |                               |        |        | HR7651 (Lo-16bits)                                          |
| HR7653           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7654           |                               |        |        | HR7653 (Lo-16bits)                                          |
| HR7655           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7656           |                          |        |        | HR7655 (Lo-16bits)            |
| HR7657           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7658           |                          |        |        | HR7657 (Lo-16bits)            |
| HR7659           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7660           |                          |        |        | HR7659 (Lo-16bits)            |
| HR7661           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7662           |                          |        |        | HR7661 (Lo-16bits)            |
| HR7663           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7664           |                          |        |        | HR7663 (Lo-16bits)            |
| HR7665           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7666           |                          |        |        | HR7665 (Lo-16bits)            |
| HR7667           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7668           |                          |        |        | HR7667 (Lo-16bits)            |
| HR7669           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7670           |                          |        |        | HR7669 (Lo-16bits)            |
| HR7671           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7672           |                          |        |        | HR7671 (Lo-16bits)            |
| HR7673           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7674           |                          |        |        | HR7673 (Lo-16bits)            |
| HR7675           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7676           |                          |        |        | HR7675 (Lo-16bits)            |
| HR7677           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7678           |                          |        |        | HR7677 (Lo-16bits)            |
| HR7679           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7680           |                          |        |        | HR7679 (Lo-16bits)            |
| HR7681           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7682           |                          |        |        | HR7681 (Lo-16bits)            |
| HR7683           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7684           |                          |        |        | HR7683 (Lo-16bits)            |
| HR7685           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |



| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7686           |                              |        |        | HR7685 (Lo-16bits)          |
| HR7687           | CUB4:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7688           |                              |        |        | HR7687 (Lo-16bits)          |
| HR7689           | CUB4:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7690           |                              |        |        | HR7689 (Lo-16bits)          |
| HR7691           | CUB4:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7692           |                              |        |        | HR7691 (Lo-16bits)          |
| HR7693           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7694           |                              |        |        | HR7693 (Lo-16bits)          |
| HR7695           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7696           |                              |        |        | HR7695 (Lo-16bits)          |
| HR7697           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7698           |                              |        |        | HR7697 (Lo-16bits)          |
| HR7699           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7700           |                              |        |        | HR7699 (Lo-16bits)          |
| HR7701           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7702           |                              |        |        | HR7701 (Lo-16bits)          |
| HR7703           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7704           |                              |        |        | HR7703 (Lo-16bits)          |
| HR7705           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7706           |                              |        |        | HR7705 (Lo-16bits)          |
| HR7707           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7708           |                              |        |        | HR7707 (Lo-16bits)          |
| HR7709           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7710           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7711           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7712           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7713           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR7714           | CUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7715           | CUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7716           | CUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7717           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7718           |                                            |        |        | HR7717 (Lo-16bits)          |
| HR7719           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7720           |                                            |        |        | HR7719 (Lo-16bits)          |
| HR7721           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7722           |                                            |        |        | HR7721 (Lo-16bits)          |
| HR7723           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7724           |                                            |        |        | HR7723 (Lo-16bits)          |
| HR7725           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7726           |                                            |        |        | HR7725 (Lo-16bits)          |
| HR7727           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7728           |                                            |        |        | HR7727 (Lo-16bits)          |
| HR7729           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7730           |                                            |        |        | HR7729 (Lo-16bits)          |
| HR7731           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7732           |                                            |        |        | HR7731 (Lo-16bits)          |
| HR7733           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7734           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7735           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7736           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7737           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7738           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                       |
|------------------|----------------------------------------------------|--------|--------|---------------------------------------|
| HR7739           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7740           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7741           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7742           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7743           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7744           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7745           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7746           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7747           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7748           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7749           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7750           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7751           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7752           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7753           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7754           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7755           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7756           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7757           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7758           |                                                    |        |        | HR7757 (Lo-16bits)                    |
| HR7759           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR7760           |                                   |        |        | HR7759 (Lo-16bits)           |
| HR7761           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7762           |                                   |        |        | HR7761 (Lo-16bits)           |
| HR7763           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7764           |                                   |        |        | HR7763 (Lo-16bits)           |
| HR7765           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7766           |                                   |        |        | HR7765 (Lo-16bits)           |
| HR7767           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7768           |                                   |        |        | HR7767 (Lo-16bits)           |
| HR7769           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7770           |                                   |        |        | HR7769 (Lo-16bits)           |
| HR7771           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7772           |                                   |        |        | HR7771 (Lo-16bits)           |
| HR7773           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7774           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7775           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7776           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7777           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7778           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7779           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7780           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7781           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7782           |                                   |        |        | HR7781 (Lo-16bits)           |
| HR7783           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7784           |                                   |        |        | HR7783 (Lo-16bits)           |
| HR7785           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7786           |                                   |        |        | HR7785 (Lo-16bits)           |
| HR7787           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR7788           |                                   |        |        | HR7787 (Lo-16bits)            |
| HR7789           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7790           |                                   |        |        | HR7789 (Lo-16bits)            |
| HR7791           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7792           |                                   |        |        | HR7791 (Lo-16bits)            |
| HR7793           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7794           |                                   |        |        | HR7793 (Lo-16bits)            |
| HR7795           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7796           |                                   |        |        | HR7795 (Lo-16bits)            |
| HR7797           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7798           |                                   |        |        | HR7797 (Lo-16bits)            |
| HR7799           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7800           |                                   |        |        | HR7799 (Lo-16bits)            |
| HR7801           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7802           |                                   |        |        | HR7801 (Lo-16bits)            |
| HR7803           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7804           |                                   |        |        | HR7803 (Lo-16bits)            |
| HR7805           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7806           |                                   |        |        | HR7805 (Lo-16bits)            |
| HR7807           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7808           |                                   |        |        | HR7807 (Lo-16bits)            |
| HR7809           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7810           |                                   |        |        | HR7809 (Lo-16bits)            |
| HR7811           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7812           |                                   |        |        | HR7811 (Lo-16bits)            |
| HR7813           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7814           |                                   |        |        | HR7813 (Lo-16bits)            |
| HR7815           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR7816           |                             |        |        | HR7815 (Lo-16bits)            |
| HR7817           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7818           |                             |        |        | HR7817 (Lo-16bits)            |
| HR7819           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7820           |                             |        |        | HR7819 (Lo-16bits)            |
| HR7821           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7822           |                             |        |        | HR7821 (Lo-16bits)            |
| HR7823           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7824           |                             |        |        | HR7823 (Lo-16bits)            |
| HR7825           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7826           |                             |        |        | HR7825 (Lo-16bits)            |
| HR7827           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7828           |                             |        |        | HR7827 (Lo-16bits)            |
| HR7829           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7830           |                             |        |        | HR7829 (Lo-16bits)            |
| HR7831           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7832           |                             |        |        | HR7831 (Lo-16bits)            |
| HR7833           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7834           |                             |        |        | HR7833 (Lo-16bits)            |
| HR7835           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7836           |                             |        |        | HR7835 (Lo-16bits)            |
| HR7837           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7838           |                             |        |        | HR7837 (Lo-16bits)            |
| HR7839           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7840           |                             |        |        | HR7839 (Lo-16bits)            |
| HR7841           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7842           |                             |        |        | HR7841 (Lo-16bits)            |
| HR7843           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7844           |                             |        |        | HR7843 (Lo-16bits)            |
| HR7845           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR7846           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7847           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7848           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7849           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7850           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7851           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7852           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7853           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7854           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7855           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7856           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7857           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7858           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7859           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7860           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7861           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7862           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7863           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7864           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7865           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7866           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7867           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7868           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7869           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7870           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7871           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7872           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7873           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7874           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7875           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7876           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7877           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7878           |                                                   |        |        | HR7877 (Lo-16bits)                    |
| HR7879           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7880           |                                                   |        |        | HR7879 (Lo-16bits)                    |
| HR7881           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7882           |                                                   |        |        | HR7881 (Lo-16bits)                    |
| HR7883           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7884           |                                                   |        |        | HR7883 (Lo-16bits)                    |
| HR7885           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7886           |                                                   |        |        | HR7885 (Lo-16bits)                    |
| HR7887           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7888           |                                                   |        |        | HR7887 (Lo-16bits)                    |
| HR7889           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7890           |                                                   |        |        | HR7889 (Lo-16bits)                    |



| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR7891           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7892           |                                   |        |        | HR7891 (Lo-16bits)           |
| HR7893           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7894           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7895           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7896           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7897           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7898           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7899           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7900           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7901           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7902           |                                   |        |        | HR7901 (Lo-16bits)           |
| HR7903           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7904           |                                   |        |        | HR7903 (Lo-16bits)           |
| HR7905           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7906           |                                   |        |        | HR7905 (Lo-16bits)           |
| HR7907           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7908           |                                   |        |        | HR7907 (Lo-16bits)           |
| HR7909           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7910           |                                   |        |        | HR7909 (Lo-16bits)           |
| HR7911           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7912           |                                   |        |        | HR7911 (Lo-16bits)           |
| HR7913           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7914           |                                   |        |        | HR7913 (Lo-16bits)           |
| HR7915           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7916           |                                   |        |        | HR7915 (Lo-16bits)           |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR7917           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7918           |                         |        |        | HR7917 (Lo-16bits)            |
| HR7919           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7920           |                         |        |        | HR7919 (Lo-16bits)            |
| HR7921           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7922           |                         |        |        | HR7921 (Lo-16bits)            |
| HR7923           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7924           |                         |        |        | HR7923 (Lo-16bits)            |
| HR7925           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7926           |                         |        |        | HR7925 (Lo-16bits)            |
| HR7927           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7928           |                         |        |        | HR7927 (Lo-16bits)            |
| HR7929           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7930           |                         |        |        | HR7929 (Lo-16bits)            |
| HR7931           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7932           |                         |        |        | HR7931 (Lo-16bits)            |
| HR7933           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7934           |                         |        |        | HR7933 (Lo-16bits)            |
| HR7935           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7936           |                         |        |        | HR7935 (Lo-16bits)            |
| HR7937           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7938           |                         |        |        | HR7937 (Lo-16bits)            |
| HR7939           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7940           |                         |        |        | HR7939 (Lo-16bits)            |
| HR7941           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7942           |                         |        |        | HR7941 (Lo-16bits)            |
| HR7943           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7944           |                         |        |        | HR7943 (Lo-16bits)            |
| HR7945           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7946           |                         |        |        | HR7945 (Lo-16bits)            |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR7947           | OV2:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7948           |                             |        |        | HR7947 (Lo-16bits)            |
| HR7949           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7950           |                             |        |        | HR7949 (Lo-16bits)            |
| HR7951           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7952           |                             |        |        | HR7951 (Lo-16bits)            |
| HR7953           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7954           |                             |        |        | HR7953 (Lo-16bits)            |
| HR7955           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7956           |                             |        |        | HR7955 (Lo-16bits)            |
| HR7957           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7958           |                             |        |        | HR7957 (Lo-16bits)            |
| HR7959           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7960           |                             |        |        | HR7959 (Lo-16bits)            |
| HR7961           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7962           |                             |        |        | HR7961 (Lo-16bits)            |
| HR7963           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7964           |                             |        |        | HR7963 (Lo-16bits)            |
| HR7965           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7966           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7967           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7968           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7969           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7970           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7971           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7972           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7973           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7974           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7975           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7976           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7977           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7978           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7979           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7980           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7981           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7982           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7983           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7984           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7985           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7986           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7987           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7988           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7989           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7990           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |

| Holding Register | Parameter                | Access | Length |                                       |
|------------------|--------------------------|--------|--------|---------------------------------------|
| HR7991           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7992           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7993           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7994           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7995           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7996           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7997           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7998           |                          |        |        | HR7997 (Lo-16bits)                    |
| HR7999           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8000           |                          |        |        | HR7999 (Lo-16bits)                    |
| HR8001           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8002           |                          |        |        | HR8001 (Lo-16bits)                    |
| HR8003           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8004           |                          |        |        | HR8003 (Lo-16bits)                    |
| HR8005           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8006           |                          |        |        | HR8005 (Lo-16bits)                    |
| HR8007           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8008           |                          |        |        | HR8007 (Lo-16bits)                    |
| HR8009           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8010           |                          |        |        | HR8009 (Lo-16bits)                    |
| HR8011           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8012           |                          |        |        | HR8011 (Lo-16bits)                    |
| HR8013           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8014           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8015           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8016           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8017           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8018           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8019           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8020           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8021           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8022           |                                   |        |        | HR8021 (Lo-16bits)            |
| HR8023           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8024           |                                   |        |        | HR8023 (Lo-16bits)            |
| HR8025           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8026           |                                   |        |        | HR8025 (Lo-16bits)            |
| HR8027           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8028           |                                   |        |        | HR8027 (Lo-16bits)            |
| HR8029           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8030           |                                   |        |        | HR8029 (Lo-16bits)            |
| HR8031           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8032           |                                   |        |        | HR8031 (Lo-16bits)            |
| HR8033           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8034           |                                   |        |        | HR8033 (Lo-16bits)            |
| HR8035           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8036           |                                   |        |        | HR8035 (Lo-16bits)            |
| HR8037           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8038           |                                   |        |        | HR8037 (Lo-16bits)            |
| HR8039           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8040           |                                   |        |        | HR8039 (Lo-16bits)            |
| HR8041           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8042           |                                   |        |        | HR8041 (Lo-16bits)            |
| HR8043           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8044           |                                   |        |        | HR8043 (Lo-16bits)            |
| HR8045           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8046           |                                   |        |        | HR8045 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8047           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8048           |                         |        |        | HR8047 (Lo-16bits)            |
| HR8049           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8050           |                         |        |        | HR8049 (Lo-16bits)            |
| HR8051           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8052           |                         |        |        | HR8051 (Lo-16bits)            |
| HR8053           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8054           |                         |        |        | HR8053 (Lo-16bits)            |
| HR8055           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8056           |                         |        |        | HR8055 (Lo-16bits)            |
| HR8057           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8058           |                         |        |        | HR8057 (Lo-16bits)            |
| HR8059           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8060           |                         |        |        | HR8059 (Lo-16bits)            |
| HR8061           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8062           |                         |        |        | HR8061 (Lo-16bits)            |
| HR8063           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8064           |                         |        |        | HR8063 (Lo-16bits)            |
| HR8065           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8066           |                         |        |        | HR8065 (Lo-16bits)            |
| HR8067           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8068           |                         |        |        | HR8067 (Lo-16bits)            |
| HR8069           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8070           |                         |        |        | HR8069 (Lo-16bits)            |
| HR8071           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8072           |                         |        |        | HR8071 (Lo-16bits)            |
| HR8073           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8074           |                         |        |        | HR8073 (Lo-16bits)            |
| HR8075           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8076           |                         |        |        | HR8075 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8077           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8078           |                                           |        |        | HR8077 (Lo-16bits)          |
| HR8079           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8080           |                                           |        |        | HR8079 (Lo-16bits)          |
| HR8081           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8082           |                                           |        |        | HR8081 (Lo-16bits)          |
| HR8083           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8084           |                                           |        |        | HR8083 (Lo-16bits)          |
| HR8085           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8086           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8087           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8088           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8089           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8090           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8091           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8092           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8093           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8094           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8095           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8096           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8097           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8098           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8099           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8100           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8101           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8102           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8103           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8104           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8105           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8106           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8107           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8108           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8109           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8110           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8111           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8112           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8113           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8114           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8115           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8116           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8117           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8118           |                                                   |        |        | HR8117 (Lo-16bits)                    |
| HR8119           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8120           |                                                   |        |        | HR8119 (Lo-16bits)                    |
| HR8121           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8122           |                                   |        |        | HR8121 (Lo-16bits)           |
| HR8123           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8124           |                                   |        |        | HR8123 (Lo-16bits)           |
| HR8125           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8126           |                                   |        |        | HR8125 (Lo-16bits)           |
| HR8127           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8128           |                                   |        |        | HR8127 (Lo-16bits)           |
| HR8129           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8130           |                                   |        |        | HR8129 (Lo-16bits)           |
| HR8131           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8132           |                                   |        |        | HR8131 (Lo-16bits)           |
| HR8133           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8134           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8135           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8136           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8137           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8138           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8139           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8140           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8141           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8142           |                                   |        |        | HR8141 (Lo-16bits)           |
| HR8143           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8144           |                                   |        |        | HR8143 (Lo-16bits)           |
| HR8145           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8146           |                                   |        |        | HR8145 (Lo-16bits)           |
| HR8147           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8148           |                                   |        |        | HR8147 (Lo-16bits)           |
| HR8149           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8150           |                                   |        |        | HR8149 (Lo-16bits)            |
| HR8151           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8152           |                                   |        |        | HR8151 (Lo-16bits)            |
| HR8153           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8154           |                                   |        |        | HR8153 (Lo-16bits)            |
| HR8155           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8156           |                                   |        |        | HR8155 (Lo-16bits)            |
| HR8157           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8158           |                                   |        |        | HR8157 (Lo-16bits)            |
| HR8159           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8160           |                                   |        |        | HR8159 (Lo-16bits)            |
| HR8161           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8162           |                                   |        |        | HR8161 (Lo-16bits)            |
| HR8163           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8164           |                                   |        |        | HR8163 (Lo-16bits)            |
| HR8165           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8166           |                                   |        |        | HR8165 (Lo-16bits)            |
| HR8167           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8168           |                                   |        |        | HR8167 (Lo-16bits)            |
| HR8169           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8170           |                                   |        |        | HR8169 (Lo-16bits)            |
| HR8171           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8172           |                                   |        |        | HR8171 (Lo-16bits)            |
| HR8173           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8174           |                                   |        |        | HR8173 (Lo-16bits)            |
| HR8175           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8176           |                                   |        |        | HR8175 (Lo-16bits)            |
| HR8177           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8178           |                                   |        |        | HR8177 (Lo-16bits)            |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8179           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8180           |                             |        |        | HR8179 (Lo-16bits)            |
| HR8181           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8182           |                             |        |        | HR8181 (Lo-16bits)            |
| HR8183           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8184           |                             |        |        | HR8183 (Lo-16bits)            |
| HR8185           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8186           |                             |        |        | HR8185 (Lo-16bits)            |
| HR8187           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8188           |                             |        |        | HR8187 (Lo-16bits)            |
| HR8189           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8190           |                             |        |        | HR8189 (Lo-16bits)            |
| HR8191           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8192           |                             |        |        | HR8191 (Lo-16bits)            |
| HR8193           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8194           |                             |        |        | HR8193 (Lo-16bits)            |
| HR8195           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8196           |                             |        |        | HR8195 (Lo-16bits)            |
| HR8197           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8198           |                             |        |        | HR8197 (Lo-16bits)            |
| HR8199           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8200           |                             |        |        | HR8199 (Lo-16bits)            |
| HR8201           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8202           |                             |        |        | HR8201 (Lo-16bits)            |
| HR8203           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8204           |                             |        |        | HR8203 (Lo-16bits)            |
| HR8205           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8206           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8207           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8208           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8209           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8210           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8211           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8212           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8213           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8214           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8215           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8216           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8217           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8218           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8219           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8220           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8221           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8222           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8223           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8224           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8225           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8226           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8227           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8228           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8229           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8230           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8231           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8232           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8233           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8234           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8235           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8236           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8237           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8238           |                                                   |        |        | HR8237 (Lo-16bits)                    |
| HR8239           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8240           |                                                   |        |        | HR8239 (Lo-16bits)                    |
| HR8241           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8242           |                                                   |        |        | HR8241 (Lo-16bits)                    |
| HR8243           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8244           |                                                   |        |        | HR8243 (Lo-16bits)                    |
| HR8245           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8246           |                                                   |        |        | HR8245 (Lo-16bits)                    |
| HR8247           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8248           |                                                   |        |        | HR8247 (Lo-16bits)                    |
| HR8249           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8250           |                                                   |        |        | HR8249 (Lo-16bits)                    |
| HR8251           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8252           |                                                   |        |        | HR8251 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8253           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8254           |                                   |        |        | HR8253 (Lo-16bits)           |
| HR8255           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8256           |                                   |        |        | HR8255 (Lo-16bits)           |
| HR8257           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8258           |                                   |        |        | HR8257 (Lo-16bits)           |
| HR8259           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8260           |                                   |        |        | HR8259 (Lo-16bits)           |
| HR8261           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8262           |                                   |        |        | HR8261 (Lo-16bits)           |
| HR8263           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8264           |                                   |        |        | HR8263 (Lo-16bits)           |
| HR8265           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8266           |                                   |        |        | HR8265 (Lo-16bits)           |
| HR8267           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8268           |                                   |        |        | HR8267 (Lo-16bits)           |
| HR8269           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8270           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8271           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8272           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8273           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8274           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8275           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8276           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8277           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8278           |                                   |        |        | HR8277 (Lo-16bits)           |
| HR8279           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8280           |                                   |        |        | HR8279 (Lo-16bits)           |
| HR8281           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8282           |                                   |        |        | HR8281 (Lo-16bits)            |
| HR8283           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8284           |                                   |        |        | HR8283 (Lo-16bits)            |
| HR8285           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8286           |                                   |        |        | HR8285 (Lo-16bits)            |
| HR8287           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8288           |                                   |        |        | HR8287 (Lo-16bits)            |
| HR8289           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8290           |                                   |        |        | HR8289 (Lo-16bits)            |
| HR8291           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8292           |                                   |        |        | HR8291 (Lo-16bits)            |
| HR8293           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8294           |                                   |        |        | HR8293 (Lo-16bits)            |
| HR8295           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8296           |                                   |        |        | HR8295 (Lo-16bits)            |
| HR8297           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8298           |                                   |        |        | HR8297 (Lo-16bits)            |
| HR8299           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8300           |                                   |        |        | HR8299 (Lo-16bits)            |
| HR8301           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8302           |                                   |        |        | HR8301 (Lo-16bits)            |
| HR8303           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8304           |                                   |        |        | HR8303 (Lo-16bits)            |
| HR8305           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8306           |                                   |        |        | HR8305 (Lo-16bits)            |
| HR8307           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8308           |                                   |        |        | HR8307 (Lo-16bits)            |
| HR8309           | UV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |



| Holding Register | Parameter              | Access | Length |                               |
|------------------|------------------------|--------|--------|-------------------------------|
| HR8310           |                        |        |        | HR8309 (Lo-16bits)            |
| HR8311           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8312           |                        |        |        | HR8311 (Lo-16bits)            |
| HR8313           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8314           |                        |        |        | HR8313 (Lo-16bits)            |
| HR8315           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8316           |                        |        |        | HR8315 (Lo-16bits)            |
| HR8317           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8318           |                        |        |        | HR8317 (Lo-16bits)            |
| HR8319           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8320           |                        |        |        | HR8319 (Lo-16bits)            |
| HR8321           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8322           |                        |        |        | HR8321 (Lo-16bits)            |
| HR8323           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8324           |                        |        |        | HR8323 (Lo-16bits)            |
| HR8325           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8326           |                        |        |        | HR8325 (Lo-16bits)            |
| HR8327           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8328           |                        |        |        | HR8327 (Lo-16bits)            |
| HR8329           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8330           |                        |        |        | HR8329 (Lo-16bits)            |
| HR8331           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8332           |                        |        |        | HR8331 (Lo-16bits)            |
| HR8333           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8334           |                        |        |        | HR8333 (Lo-16bits)            |
| HR8335           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8336           |                        |        |        | HR8335 (Lo-16bits)            |
| HR8337           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8338           |                        |        |        | HR8337 (Lo-16bits)            |
| HR8339           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                         | Access | Length |                    |
|------------------|---------------------------------------------------|--------|--------|--------------------|
| HR8340           |                                                   |        |        | HR8339 (Lo-16bits) |
| HR8341           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8342           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8343           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8344           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8345           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8346           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8347           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8348           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8349           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8350           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8351           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8352           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8353           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8354           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8355           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8356           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8357           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR8358           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8359           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8360           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8361           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8362           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8363           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8364           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8365           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8366           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8367           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8368           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8369           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8370           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8371           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8372           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8373           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8374           |                                                   |        |        | HR8373 (Lo-16bits)                    |
| HR8375           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8376           |                                                   |        |        | HR8375 (Lo-16bits)                    |
| HR8377           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8378           |                                                   |        |        | HR8377 (Lo-16bits)                    |
| HR8379           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8380           |                                                   |        |        | HR8379 (Lo-16bits)                    |
| HR8381           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8382           |                                                   |        |        | HR8381 (Lo-16bits)                    |

| Holding Register | Parameter                  | Access | Length |                             |
|------------------|----------------------------|--------|--------|-----------------------------|
| HR8383           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8384           |                            |        |        | HR8383 (Lo-16bits)          |
| HR8385           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8386           |                            |        |        | HR8385 (Lo-16bits)          |
| HR8387           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8388           |                            |        |        | HR8387 (Lo-16bits)          |
| HR8389           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8390           |                            |        |        | HR8389 (Lo-16bits)          |
| HR8391           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8392           |                            |        |        | HR8391 (Lo-16bits)          |
| HR8393           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8394           |                            |        |        | HR8393 (Lo-16bits)          |
| HR8395           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8396           |                            |        |        | HR8395 (Lo-16bits)          |
| HR8397           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8398           |                            |        |        | HR8397 (Lo-16bits)          |
| HR8399           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8400           |                            |        |        | HR8399 (Lo-16bits)          |
| HR8401           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8402           |                            |        |        | HR8401 (Lo-16bits)          |
| HR8403           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8404           |                            |        |        | HR8403 (Lo-16bits)          |
| HR8405           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8406           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8407           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8408           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8409           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8410           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8411           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8412           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8413           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8414           |                                   |        |        | HR8413 (Lo-16bits)            |
| HR8415           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8416           |                                   |        |        | HR8415 (Lo-16bits)            |
| HR8417           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8418           |                                   |        |        | HR8417 (Lo-16bits)            |
| HR8419           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8420           |                                   |        |        | HR8419 (Lo-16bits)            |
| HR8421           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8422           |                                   |        |        | HR8421 (Lo-16bits)            |
| HR8423           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8424           |                                   |        |        | HR8423 (Lo-16bits)            |
| HR8425           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8426           |                                   |        |        | HR8425 (Lo-16bits)            |
| HR8427           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8428           |                                   |        |        | HR8427 (Lo-16bits)            |
| HR8429           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8430           |                                   |        |        | HR8429 (Lo-16bits)            |
| HR8431           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8432           |                                   |        |        | HR8431 (Lo-16bits)            |
| HR8433           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8434           |                                   |        |        | HR8433 (Lo-16bits)            |
| HR8435           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8436           |                                   |        |        | HR8435 (Lo-16bits)            |
| HR8437           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8438           |                                   |        |        | HR8437 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8439           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8440           |                         |        |        | HR8439 (Lo-16bits)            |
| HR8441           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8442           |                         |        |        | HR8441 (Lo-16bits)            |
| HR8443           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8444           |                         |        |        | HR8443 (Lo-16bits)            |
| HR8445           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8446           |                         |        |        | HR8445 (Lo-16bits)            |
| HR8447           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8448           |                         |        |        | HR8447 (Lo-16bits)            |
| HR8449           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8450           |                         |        |        | HR8449 (Lo-16bits)            |
| HR8451           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8452           |                         |        |        | HR8451 (Lo-16bits)            |
| HR8453           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8454           |                         |        |        | HR8453 (Lo-16bits)            |
| HR8455           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8456           |                         |        |        | HR8455 (Lo-16bits)            |
| HR8457           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8458           |                         |        |        | HR8457 (Lo-16bits)            |
| HR8459           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8460           |                         |        |        | HR8459 (Lo-16bits)            |
| HR8461           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8462           |                         |        |        | HR8461 (Lo-16bits)            |
| HR8463           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8464           |                         |        |        | HR8463 (Lo-16bits)            |
| HR8465           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8466           |                         |        |        | HR8465 (Lo-16bits)            |
| HR8467           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8468           |                         |        |        | HR8467 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8469           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8470           |                                           |        |        | HR8469 (Lo-16bits)          |
| HR8471           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8472           |                                           |        |        | HR8471 (Lo-16bits)          |
| HR8473           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8474           |                                           |        |        | HR8473 (Lo-16bits)          |
| HR8475           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8476           |                                           |        |        | HR8475 (Lo-16bits)          |
| HR8477           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8478           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8479           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8480           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8481           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8482           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8483           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8484           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8485           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8486           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8487           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8488           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8489           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8490           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8491           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8492           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8493           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8494           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8495           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8496           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8497           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8498           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8499           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8500           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8501           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8502           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8503           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8504           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8505           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8506           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8507           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8508           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8509           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8510           |                                                   |        |        | HR8509 (Lo-16bits)                    |
| HR8511           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8512           |                                                   |        |        | HR8511 (Lo-16bits)                    |



| Holding Register | Parameter                      | Access | Length |                             |
|------------------|--------------------------------|--------|--------|-----------------------------|
| HR8513           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8514           |                                |        |        | HR8513 (Lo-16bits)          |
| HR8515           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8516           |                                |        |        | HR8515 (Lo-16bits)          |
| HR8517           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8518           |                                |        |        | HR8517 (Lo-16bits)          |
| HR8519           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8520           |                                |        |        | HR8519 (Lo-16bits)          |
| HR8521           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8522           |                                |        |        | HR8521 (Lo-16bits)          |
| HR8523           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8524           |                                |        |        | HR8523 (Lo-16bits)          |
| HR8525           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8526           |                                |        |        | HR8525 (Lo-16bits)          |
| HR8527           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8528           |                                |        |        | HR8527 (Lo-16bits)          |
| HR8529           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8530           |                                |        |        | HR8529 (Lo-16bits)          |
| HR8531           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8532           |                                |        |        | HR8531 (Lo-16bits)          |
| HR8533           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8534           |                                |        |        | HR8533 (Lo-16bits)          |
| HR8535           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8536           |                                |        |        | HR8535 (Lo-16bits)          |
| HR8537           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8538           |                                |        |        | HR8537 (Lo-16bits)          |
| HR8539           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8540           |                                   |        |        | HR8539 (Lo-16bits)            |
| HR8541           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8542           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8543           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8544           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8545           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8546           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8547           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8548           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8549           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8550           |                                   |        |        | HR8549 (Lo-16bits)            |
| HR8551           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8552           |                                   |        |        | HR8551 (Lo-16bits)            |
| HR8553           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8554           |                                   |        |        | HR8553 (Lo-16bits)            |
| HR8555           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8556           |                                   |        |        | HR8555 (Lo-16bits)            |
| HR8557           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8558           |                                   |        |        | HR8557 (Lo-16bits)            |
| HR8559           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8560           |                                   |        |        | HR8559 (Lo-16bits)            |
| HR8561           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8562           |                                   |        |        | HR8561 (Lo-16bits)            |
| HR8563           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8564           |                                   |        |        | HR8563 (Lo-16bits)            |
| HR8565           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8566           |                         |        |        | HR8565 (Lo-16bits)            |
| HR8567           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8568           |                         |        |        | HR8567 (Lo-16bits)            |
| HR8569           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8570           |                         |        |        | HR8569 (Lo-16bits)            |
| HR8571           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8572           |                         |        |        | HR8571 (Lo-16bits)            |
| HR8573           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8574           |                         |        |        | HR8573 (Lo-16bits)            |
| HR8575           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8576           |                         |        |        | HR8575 (Lo-16bits)            |
| HR8577           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8578           |                         |        |        | HR8577 (Lo-16bits)            |
| HR8579           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8580           |                         |        |        | HR8579 (Lo-16bits)            |
| HR8581           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8582           |                         |        |        | HR8581 (Lo-16bits)            |
| HR8583           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8584           |                         |        |        | HR8583 (Lo-16bits)            |
| HR8585           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8586           |                         |        |        | HR8585 (Lo-16bits)            |
| HR8587           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8588           |                         |        |        | HR8587 (Lo-16bits)            |
| HR8589           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8590           |                         |        |        | HR8589 (Lo-16bits)            |
| HR8591           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8592           |                         |        |        | HR8591 (Lo-16bits)            |
| HR8593           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8594           |                         |        |        | HR8593 (Lo-16bits)            |
| HR8595           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8596           |                                           |        |        | HR8595 (Lo-16bits)          |
| HR8597           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8598           |                                           |        |        | HR8597 (Lo-16bits)          |
| HR8599           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8600           |                                           |        |        | HR8599 (Lo-16bits)          |
| HR8601           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8602           |                                           |        |        | HR8601 (Lo-16bits)          |
| HR8603           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8604           |                                           |        |        | HR8603 (Lo-16bits)          |
| HR8605           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8606           |                                           |        |        | HR8605 (Lo-16bits)          |
| HR8607           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8608           |                                           |        |        | HR8607 (Lo-16bits)          |
| HR8609           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8610           |                                           |        |        | HR8609 (Lo-16bits)          |
| HR8611           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8612           |                                           |        |        | HR8611 (Lo-16bits)          |
| HR8613           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8614           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8615           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8616           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8617           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8618           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8619           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8620           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8621           | UV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8622           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8623           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8624           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8625           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8626           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8627           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8628           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8629           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8630           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8631           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8632           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8633           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8634           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8635           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8636           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8637           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8638           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8639           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8640           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |

| Holding Register | Parameter                       | Access | Length |                                       |
|------------------|---------------------------------|--------|--------|---------------------------------------|
| HR8641           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8642           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8643           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8644           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8645           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8646           |                                 |        |        | HR8645 (Lo-16bits)                    |
| HR8647           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8648           |                                 |        |        | HR8647 (Lo-16bits)                    |
| HR8649           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8650           |                                 |        |        | HR8649 (Lo-16bits)                    |
| HR8651           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8652           |                                 |        |        | HR8651 (Lo-16bits)                    |
| HR8653           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8654           |                                 |        |        | HR8653 (Lo-16bits)                    |
| HR8655           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8656           |                                 |        |        | HR8655 (Lo-16bits)                    |
| HR8657           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8658           |                                 |        |        | HR8657 (Lo-16bits)                    |
| HR8659           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8660           |                                 |        |        | HR8659 (Lo-16bits)                    |
| HR8661           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8662           |                                 |        |        | HR8661 (Lo-16bits)                    |
| HR8663           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8664           |                                 |        |        | HR8663 (Lo-16bits)                    |
| HR8665           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |

| Holding Register | Parameter                            | Access | Length |                              |
|------------------|--------------------------------------|--------|--------|------------------------------|
| HR8666           |                                      |        |        | HR8665 (Lo-16bits)           |
| HR8667           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8668           |                                      |        |        | HR8667 (Lo-16bits)           |
| HR8669           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8670           |                                      |        |        | HR8669 (Lo-16bits)           |
| HR8671           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8672           |                                      |        |        | HR8671 (Lo-16bits)           |
| HR8673           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8674           |                                      |        |        | HR8673 (Lo-16bits)           |
| HR8675           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8676           |                                      |        |        | HR8675 (Lo-16bits)           |
| HR8677           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8678           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8679           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8680           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8681           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8682           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8683           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8684           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8685           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8686           |                                      |        |        | HR8685 (Lo-16bits)           |
| HR8687           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8688           |                                      |        |        | HR8687 (Lo-16bits)           |
| HR8689           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8690           |                                      |        |        | HR8689 (Lo-16bits)           |
| HR8691           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8692           |                                   |        |        | HR8691 (Lo-16bits)            |
| HR8693           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8694           |                                   |        |        | HR8693 (Lo-16bits)            |
| HR8695           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8696           |                                   |        |        | HR8695 (Lo-16bits)            |
| HR8697           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8698           |                                   |        |        | HR8697 (Lo-16bits)            |
| HR8699           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8700           |                                   |        |        | HR8699 (Lo-16bits)            |
| HR8701           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8702           |                                   |        |        | HR8701 (Lo-16bits)            |
| HR8703           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8704           |                                   |        |        | HR8703 (Lo-16bits)            |
| HR8705           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8706           |                                   |        |        | HR8705 (Lo-16bits)            |
| HR8707           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8708           |                                   |        |        | HR8707 (Lo-16bits)            |
| HR8709           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8710           |                                   |        |        | HR8709 (Lo-16bits)            |
| HR8711           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8712           |                                   |        |        | HR8711 (Lo-16bits)            |
| HR8713           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8714           |                                   |        |        | HR8713 (Lo-16bits)            |
| HR8715           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8716           |                                   |        |        | HR8715 (Lo-16bits)            |
| HR8717           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8718           |                                   |        |        | HR8717 (Lo-16bits)            |
| HR8719           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |



| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8720           |                             |        |        | HR8719 (Lo-16bits)            |
| HR8721           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8722           |                             |        |        | HR8721 (Lo-16bits)            |
| HR8723           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8724           |                             |        |        | HR8723 (Lo-16bits)            |
| HR8725           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8726           |                             |        |        | HR8725 (Lo-16bits)            |
| HR8727           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8728           |                             |        |        | HR8727 (Lo-16bits)            |
| HR8729           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8730           |                             |        |        | HR8729 (Lo-16bits)            |
| HR8731           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8732           |                             |        |        | HR8731 (Lo-16bits)            |
| HR8733           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8734           |                             |        |        | HR8733 (Lo-16bits)            |
| HR8735           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8736           |                             |        |        | HR8735 (Lo-16bits)            |
| HR8737           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8738           |                             |        |        | HR8737 (Lo-16bits)            |
| HR8739           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8740           |                             |        |        | HR8739 (Lo-16bits)            |
| HR8741           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8742           |                             |        |        | HR8741 (Lo-16bits)            |
| HR8743           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8744           |                             |        |        | HR8743 (Lo-16bits)            |
| HR8745           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8746           |                             |        |        | HR8745 (Lo-16bits)            |
| HR8747           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8748           |                             |        |        | HR8747 (Lo-16bits)            |
| HR8749           | UV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8750           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8751           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8752           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8753           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8754           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8755           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8756           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8757           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8758           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8759           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8760           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8761           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8762           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8763           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8764           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8765           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8766           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8767           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8768           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                             |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR8769           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8770           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8771           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8772           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8773           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8774           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8775           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8776           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8777           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8778           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8779           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8780           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8781           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8782           |                                                   |        |        | HR8781 (Lo-16bits)          |
| HR8783           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8784           |                                                   |        |        | HR8783 (Lo-16bits)          |
| HR8785           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8786           |                                                   |        |        | HR8785 (Lo-16bits)          |
| HR8787           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8788           |                                                   |        |        | HR8787 (Lo-16bits)          |
| HR8789           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8790           |                                                   |        |        | HR8789 (Lo-16bits)          |
| HR8791           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8792           |                                                   |        |        | HR8791 (Lo-16bits)          |
| HR8793           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8794           |                                                   |        |        | HR8793 (Lo-16bits)          |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8795           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8796           |                               |        |        | HR8795 (Lo-16bits)          |
| HR8797           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8798           |                               |        |        | HR8797 (Lo-16bits)          |
| HR8799           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8800           |                               |        |        | HR8799 (Lo-16bits)          |
| HR8801           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8802           |                               |        |        | HR8801 (Lo-16bits)          |
| HR8803           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8804           |                               |        |        | HR8803 (Lo-16bits)          |
| HR8805           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8806           |                               |        |        | HR8805 (Lo-16bits)          |
| HR8807           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8808           |                               |        |        | HR8807 (Lo-16bits)          |
| HR8809           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8810           |                               |        |        | HR8809 (Lo-16bits)          |
| HR8811           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8812           |                               |        |        | HR8811 (Lo-16bits)          |
| HR8813           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8814           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8815           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8816           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8817           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8818           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8819           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8820           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8821           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8822           |                                    |        |        | HR8821 (Lo-16bits)            |
| HR8823           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8824           |                                    |        |        | HR8823 (Lo-16bits)            |
| HR8825           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8826           |                                    |        |        | HR8825 (Lo-16bits)            |
| HR8827           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8828           |                                    |        |        | HR8827 (Lo-16bits)            |
| HR8829           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8830           |                                    |        |        | HR8829 (Lo-16bits)            |
| HR8831           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8832           |                                    |        |        | HR8831 (Lo-16bits)            |
| HR8833           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8834           |                                    |        |        | HR8833 (Lo-16bits)            |
| HR8835           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8836           |                                    |        |        | HR8835 (Lo-16bits)            |
| HR8837           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8838           |                                    |        |        | HR8837 (Lo-16bits)            |
| HR8839           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8840           |                                    |        |        | HR8839 (Lo-16bits)            |
| HR8841           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8842           |                                    |        |        | HR8841 (Lo-16bits)            |
| HR8843           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8844           |                                    |        |        | HR8843 (Lo-16bits)            |
| HR8845           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8846           |                                    |        |        | HR8845 (Lo-16bits)            |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8847           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8848           |                          |        |        | HR8847 (Lo-16bits)            |
| HR8849           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8850           |                          |        |        | HR8849 (Lo-16bits)            |
| HR8851           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8852           |                          |        |        | HR8851 (Lo-16bits)            |
| HR8853           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8854           |                          |        |        | HR8853 (Lo-16bits)            |
| HR8855           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8856           |                          |        |        | HR8855 (Lo-16bits)            |
| HR8857           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8858           |                          |        |        | HR8857 (Lo-16bits)            |
| HR8859           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8860           |                          |        |        | HR8859 (Lo-16bits)            |
| HR8861           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8862           |                          |        |        | HR8861 (Lo-16bits)            |
| HR8863           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8864           |                          |        |        | HR8863 (Lo-16bits)            |
| HR8865           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8866           |                          |        |        | HR8865 (Lo-16bits)            |
| HR8867           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8868           |                          |        |        | HR8867 (Lo-16bits)            |
| HR8869           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8870           |                          |        |        | HR8869 (Lo-16bits)            |
| HR8871           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8872           |                          |        |        | HR8871 (Lo-16bits)            |
| HR8873           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8874           |                          |        |        | HR8873 (Lo-16bits)            |
| HR8875           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8876           |                          |        |        | HR8875 (Lo-16bits)            |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR8877           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8878           |                                            |        |        | HR8877 (Lo-16bits)          |
| HR8879           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8880           |                                            |        |        | HR8879 (Lo-16bits)          |
| HR8881           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8882           |                                            |        |        | HR8881 (Lo-16bits)          |
| HR8883           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8884           |                                            |        |        | HR8883 (Lo-16bits)          |
| HR8885           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8886           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8887           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8888           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8889           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8890           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8891           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8892           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8893           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8894           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8895           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8896           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8897           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8898           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8899           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR8900           | VUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8901           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8902           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8903           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8904           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8905           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8906           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8907           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8908           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8909           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8910           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8911           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8912           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8913           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8914           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8915           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8916           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8917           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8918           |                                                    |        |        | HR8917 (Lo-16bits)          |
| HR8919           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8920           |                                                    |        |        | HR8919 (Lo-16bits)          |
| HR8921           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |



| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8922           |                               |        |        | HR8921 (Lo-16bits)          |
| HR8923           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8924           |                               |        |        | HR8923 (Lo-16bits)          |
| HR8925           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8926           |                               |        |        | HR8925 (Lo-16bits)          |
| HR8927           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8928           |                               |        |        | HR8927 (Lo-16bits)          |
| HR8929           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8930           |                               |        |        | HR8929 (Lo-16bits)          |
| HR8931           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8932           |                               |        |        | HR8931 (Lo-16bits)          |
| HR8933           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8934           |                               |        |        | HR8933 (Lo-16bits)          |
| HR8935           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8936           |                               |        |        | HR8935 (Lo-16bits)          |
| HR8937           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8938           |                               |        |        | HR8937 (Lo-16bits)          |
| HR8939           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8940           |                               |        |        | HR8939 (Lo-16bits)          |
| HR8941           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8942           |                               |        |        | HR8941 (Lo-16bits)          |
| HR8943           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8944           |                               |        |        | HR8943 (Lo-16bits)          |
| HR8945           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8946           |                               |        |        | HR8945 (Lo-16bits)          |
| HR8947           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8948           |                                    |        |        | HR8947 (Lo-16bits)            |
| HR8949           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8950           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8951           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8952           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8953           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8954           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8955           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8956           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8957           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8958           |                                    |        |        | HR8957 (Lo-16bits)            |
| HR8959           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8960           |                                    |        |        | HR8959 (Lo-16bits)            |
| HR8961           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8962           |                                    |        |        | HR8961 (Lo-16bits)            |
| HR8963           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8964           |                                    |        |        | HR8963 (Lo-16bits)            |
| HR8965           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8966           |                                    |        |        | HR8965 (Lo-16bits)            |
| HR8967           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8968           |                                    |        |        | HR8967 (Lo-16bits)            |
| HR8969           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8970           |                                    |        |        | HR8969 (Lo-16bits)            |
| HR8971           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8972           |                                    |        |        | HR8971 (Lo-16bits)            |
| HR8973           | VUB2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8974           |                          |        |        | HR8973 (Lo-16bits)            |
| HR8975           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8976           |                          |        |        | HR8975 (Lo-16bits)            |
| HR8977           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8978           |                          |        |        | HR8977 (Lo-16bits)            |
| HR8979           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8980           |                          |        |        | HR8979 (Lo-16bits)            |
| HR8981           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8982           |                          |        |        | HR8981 (Lo-16bits)            |
| HR8983           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8984           |                          |        |        | HR8983 (Lo-16bits)            |
| HR8985           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8986           |                          |        |        | HR8985 (Lo-16bits)            |
| HR8987           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8988           |                          |        |        | HR8987 (Lo-16bits)            |
| HR8989           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8990           |                          |        |        | HR8989 (Lo-16bits)            |
| HR8991           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8992           |                          |        |        | HR8991 (Lo-16bits)            |
| HR8993           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8994           |                          |        |        | HR8993 (Lo-16bits)            |
| HR8995           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8996           |                          |        |        | HR8995 (Lo-16bits)            |
| HR8997           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8998           |                          |        |        | HR8997 (Lo-16bits)            |
| HR8999           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9000           |                          |        |        | HR8999 (Lo-16bits)            |
| HR9001           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9002           |                          |        |        | HR9001 (Lo-16bits)            |
| HR9003           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR9004           |                                            |        |        | HR9003 (Lo-16bits)          |
| HR9005           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9006           |                                            |        |        | HR9005 (Lo-16bits)          |
| HR9007           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9008           |                                            |        |        | HR9007 (Lo-16bits)          |
| HR9009           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9010           |                                            |        |        | HR9009 (Lo-16bits)          |
| HR9011           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9012           |                                            |        |        | HR9011 (Lo-16bits)          |
| HR9013           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9014           |                                            |        |        | HR9013 (Lo-16bits)          |
| HR9015           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9016           |                                            |        |        | HR9015 (Lo-16bits)          |
| HR9017           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9018           |                                            |        |        | HR9017 (Lo-16bits)          |
| HR9019           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9020           |                                            |        |        | HR9019 (Lo-16bits)          |
| HR9021           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9022           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9023           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9024           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9025           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9026           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9027           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9028           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9029           | VUB2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                    |
|------------------|----------------------------------------------------|--------|--------|--------------------|
| HR9030           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9031           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9032           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9033           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9034           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9035           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9036           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9037           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9038           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9039           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9040           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9041           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9042           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9043           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9044           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9045           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9046           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9047           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9048           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR9049           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9050           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9051           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9052           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9053           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9054           |                               |        |        | HR9053 (Lo-16bits)          |
| HR9055           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9056           |                               |        |        | HR9055 (Lo-16bits)          |
| HR9057           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9058           |                               |        |        | HR9057 (Lo-16bits)          |
| HR9059           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9060           |                               |        |        | HR9059 (Lo-16bits)          |
| HR9061           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9062           |                               |        |        | HR9061 (Lo-16bits)          |
| HR9063           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9064           |                               |        |        | HR9063 (Lo-16bits)          |
| HR9065           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9066           |                               |        |        | HR9065 (Lo-16bits)          |
| HR9067           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9068           |                               |        |        | HR9067 (Lo-16bits)          |
| HR9069           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9070           |                               |        |        | HR9069 (Lo-16bits)          |
| HR9071           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9072           |                               |        |        | HR9071 (Lo-16bits)          |
| HR9073           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9074           |                               |        |        | HR9073 (Lo-16bits)          |
| HR9075           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9076           |                               |        |        | HR9075 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9077           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9078           |                                    |        |        | HR9077 (Lo-16bits)           |
| HR9079           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9080           |                                    |        |        | HR9079 (Lo-16bits)           |
| HR9081           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9082           |                                    |        |        | HR9081 (Lo-16bits)           |
| HR9083           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9084           |                                    |        |        | HR9083 (Lo-16bits)           |
| HR9085           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9086           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9087           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9088           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9089           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9090           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9091           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9092           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9093           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9094           |                                    |        |        | HR9093 (Lo-16bits)           |
| HR9095           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9096           |                                    |        |        | HR9095 (Lo-16bits)           |
| HR9097           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9098           |                                    |        |        | HR9097 (Lo-16bits)           |
| HR9099           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9100           |                                    |        |        | HR9099 (Lo-16bits)           |
| HR9101           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9102           |                                    |        |        | HR9101 (Lo-16bits)           |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9103           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9104           |                                    |        |        | HR9103 (Lo-16bits)            |
| HR9105           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9106           |                                    |        |        | HR9105 (Lo-16bits)            |
| HR9107           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9108           |                                    |        |        | HR9107 (Lo-16bits)            |
| HR9109           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9110           |                                    |        |        | HR9109 (Lo-16bits)            |
| HR9111           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9112           |                                    |        |        | HR9111 (Lo-16bits)            |
| HR9113           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9114           |                                    |        |        | HR9113 (Lo-16bits)            |
| HR9115           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9116           |                                    |        |        | HR9115 (Lo-16bits)            |
| HR9117           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9118           |                                    |        |        | HR9117 (Lo-16bits)            |
| HR9119           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9120           |                                    |        |        | HR9119 (Lo-16bits)            |
| HR9121           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9122           |                                    |        |        | HR9121 (Lo-16bits)            |
| HR9123           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9124           |                                    |        |        | HR9123 (Lo-16bits)            |
| HR9125           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9126           |                                    |        |        | HR9125 (Lo-16bits)            |
| HR9127           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9128           |                                    |        |        | HR9127 (Lo-16bits)            |
| HR9129           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9130           |                                    |        |        | HR9129 (Lo-16bits)            |
| HR9131           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |



| Holding Register | Parameter                    | Access | Length |                               |
|------------------|------------------------------|--------|--------|-------------------------------|
| HR9132           |                              |        |        | HR9131 (Lo-16bits)            |
| HR9133           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9134           |                              |        |        | HR9133 (Lo-16bits)            |
| HR9135           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9136           |                              |        |        | HR9135 (Lo-16bits)            |
| HR9137           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9138           |                              |        |        | HR9137 (Lo-16bits)            |
| HR9139           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9140           |                              |        |        | HR9139 (Lo-16bits)            |
| HR9141           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9142           |                              |        |        | HR9141 (Lo-16bits)            |
| HR9143           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9144           |                              |        |        | HR9143 (Lo-16bits)            |
| HR9145           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9146           |                              |        |        | HR9145 (Lo-16bits)            |
| HR9147           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9148           |                              |        |        | HR9147 (Lo-16bits)            |
| HR9149           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9150           |                              |        |        | HR9149 (Lo-16bits)            |
| HR9151           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9152           |                              |        |        | HR9151 (Lo-16bits)            |
| HR9153           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9154           |                              |        |        | HR9153 (Lo-16bits)            |
| HR9155           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9156           |                              |        |        | HR9155 (Lo-16bits)            |
| HR9157           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR9158           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR9159           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                          | Access | Length |            |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9160           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9161           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9162           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9163           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9164           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9165           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9166           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9167           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9168           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9169           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9170           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9171           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9172           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9173           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9174           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9175           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9176           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9177           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR9178           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9179           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9180           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9181           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9182           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9183           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9184           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9185           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9186           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9187           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9188           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9189           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9190           |                                                    |        |        | HR9189 (Lo-16bits)          |
| HR9191           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9192           |                                                    |        |        | HR9191 (Lo-16bits)          |
| HR9193           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9194           |                                                    |        |        | HR9193 (Lo-16bits)          |
| HR9195           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9196           |                                                    |        |        | HR9195 (Lo-16bits)          |
| HR9197           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9198           |                                                    |        |        | HR9197 (Lo-16bits)          |
| HR9199           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9200           |                                                    |        |        | HR9199 (Lo-16bits)          |
| HR9201           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9202           |                                                    |        |        | HR9201 (Lo-16bits)          |
| HR9203           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9204           |                                                    |        |        | HR9203 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9205           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9206           |                                    |        |        | HR9205 (Lo-16bits)           |
| HR9207           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9208           |                                    |        |        | HR9207 (Lo-16bits)           |
| HR9209           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9210           |                                    |        |        | HR9209 (Lo-16bits)           |
| HR9211           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9212           |                                    |        |        | HR9211 (Lo-16bits)           |
| HR9213           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9214           |                                    |        |        | HR9213 (Lo-16bits)           |
| HR9215           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9216           |                                    |        |        | HR9215 (Lo-16bits)           |
| HR9217           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9218           |                                    |        |        | HR9217 (Lo-16bits)           |
| HR9219           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9220           |                                    |        |        | HR9219 (Lo-16bits)           |
| HR9221           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9222           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9223           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9224           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9225           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9226           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9227           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9228           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9229           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9230           |                                    |        |        | HR9229 (Lo-16bits)           |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9231           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9232           |                                    |        |        | HR9231 (Lo-16bits)            |
| HR9233           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9234           |                                    |        |        | HR9233 (Lo-16bits)            |
| HR9235           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9236           |                                    |        |        | HR9235 (Lo-16bits)            |
| HR9237           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9238           |                                    |        |        | HR9237 (Lo-16bits)            |
| HR9239           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9240           |                                    |        |        | HR9239 (Lo-16bits)            |
| HR9241           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9242           |                                    |        |        | HR9241 (Lo-16bits)            |
| HR9243           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9244           |                                    |        |        | HR9243 (Lo-16bits)            |
| HR9245           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9246           |                                    |        |        | HR9245 (Lo-16bits)            |
| HR9247           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9248           |                                    |        |        | HR9247 (Lo-16bits)            |
| HR9249           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9250           |                                    |        |        | HR9249 (Lo-16bits)            |
| HR9251           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9252           |                                    |        |        | HR9251 (Lo-16bits)            |
| HR9253           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9254           |                                    |        |        | HR9253 (Lo-16bits)            |
| HR9255           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9256           |                                    |        |        | HR9255 (Lo-16bits)            |
| HR9257           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR9258           |                          |        |        | HR9257 (Lo-16bits)            |
| HR9259           | VUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9260           |                          |        |        | HR9259 (Lo-16bits)            |
| HR9261           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9262           |                          |        |        | HR9261 (Lo-16bits)            |
| HR9263           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9264           |                          |        |        | HR9263 (Lo-16bits)            |
| HR9265           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9266           |                          |        |        | HR9265 (Lo-16bits)            |
| HR9267           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9268           |                          |        |        | HR9267 (Lo-16bits)            |
| HR9269           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9270           |                          |        |        | HR9269 (Lo-16bits)            |
| HR9271           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9272           |                          |        |        | HR9271 (Lo-16bits)            |
| HR9273           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9274           |                          |        |        | HR9273 (Lo-16bits)            |
| HR9275           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9276           |                          |        |        | HR9275 (Lo-16bits)            |
| HR9277           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9278           |                          |        |        | HR9277 (Lo-16bits)            |
| HR9279           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9280           |                          |        |        | HR9279 (Lo-16bits)            |
| HR9281           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9282           |                          |        |        | HR9281 (Lo-16bits)            |
| HR9283           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9284           |                          |        |        | HR9283 (Lo-16bits)            |
| HR9285           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9286           |                          |        |        | HR9285 (Lo-16bits)            |
| HR9287           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR9288           |                                            |        |        | HR9287 (Lo-16bits)          |
| HR9289           | VUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9290           |                                            |        |        | HR9289 (Lo-16bits)          |
| HR9291           | VUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9292           |                                            |        |        | HR9291 (Lo-16bits)          |
| HR9293           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9294           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9295           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9296           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9297           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9298           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9299           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9300           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9301           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9302           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9303           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9304           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9305           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9306           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9307           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9308           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |            |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9309           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9310           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9311           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9312           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9313           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9314           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9315           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9316           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9317           | FRQV1:f> Enable                                    | R(W)   | 1      | 0=No;1=Yes |
| HR9318           | FRQV1:f>> Enable                                   | R(W)   | 1      | 0=No;1=Yes |
| HR9319           | FRQV1:f>>> Enable                                  | R(W)   | 1      | 0=No;1=Yes |
| HR9320           | FRQV1:f>>>> Enable                                 | R(W)   | 1      | 0=No;1=Yes |
| HR9321           | FRQV1:f< Enable                                    | R(W)   | 1      | 0=No;1=Yes |
| HR9322           | FRQV1:f<< Enable                                   | R(W)   | 1      | 0=No;1=Yes |
| HR9323           | FRQV1:f<<< Enable                                  | R(W)   | 1      | 0=No;1=Yes |
| HR9324           | FRQV1:f<<<< Enable                                 | R(W)   | 1      | 0=No;1=Yes |
| HR9325           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9326           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9327           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9328           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9329           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9330           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |



| Holding Register | Parameter           | Access | Length |                              |
|------------------|---------------------|--------|--------|------------------------------|
| HR9331           | FRQV1:f> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9332           | FRQV1:f> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9333           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9334           |                     |        |        | HR9333 (Lo-16bits)           |
| HR9335           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9336           |                     |        |        | HR9335 (Lo-16bits)           |
| HR9337           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9338           |                     |        |        | HR9337 (Lo-16bits)           |
| HR9339           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9340           |                     |        |        | HR9339 (Lo-16bits)           |
| HR9341           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9342           |                     |        |        | HR9341 (Lo-16bits)           |
| HR9343           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9344           |                     |        |        | HR9343 (Lo-16bits)           |
| HR9345           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9346           |                     |        |        | HR9345 (Lo-16bits)           |
| HR9347           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9348           |                     |        |        | HR9347 (Lo-16bits)           |
| HR9349           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9350           |                     |        |        | HR9349 (Lo-16bits)           |
| HR9351           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9352           |                     |        |        | HR9351 (Lo-16bits)           |
| HR9353           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9354           |                     |        |        | HR9353 (Lo-16bits)           |
| HR9355           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9356           |                     |        |        | HR9355 (Lo-16bits)           |
| HR9357           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9358           |                     |        |        | HR9357 (Lo-16bits)           |
| HR9359           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9360           |                     |        |        | HR9359 (Lo-16bits)           |

| Holding Register | Parameter            | Access | Length |                              |
|------------------|----------------------|--------|--------|------------------------------|
| HR9361           | FRQV1:f> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9362           |                      |        |        | HR9361 (Lo-16bits)           |
| HR9363           | FRQV1:f> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9364           |                      |        |        | HR9363 (Lo-16bits)           |
| HR9365           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9366           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9367           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9368           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9369           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9370           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9371           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9372           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9373           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9374           |                      |        |        | HR9373 (Lo-16bits)           |
| HR9375           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9376           |                      |        |        | HR9375 (Lo-16bits)           |
| HR9377           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9378           |                      |        |        | HR9377 (Lo-16bits)           |
| HR9379           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9380           |                      |        |        | HR9379 (Lo-16bits)           |
| HR9381           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9382           |                      |        |        | HR9381 (Lo-16bits)           |
| HR9383           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9384           |                      |        |        | HR9383 (Lo-16bits)           |
| HR9385           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9386           |                      |        |        | HR9385 (Lo-16bits)           |
| HR9387           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9388           |                      |        |        | HR9387 (Lo-16bits)           |
| HR9389           | FRQV1:f>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9390           |                      |        |        | HR9389 (Lo-16bits)           |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9391           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9392           |                       |        |        | HR9391 (Lo-16bits)           |
| HR9393           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9394           |                       |        |        | HR9393 (Lo-16bits)           |
| HR9395           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9396           |                       |        |        | HR9395 (Lo-16bits)           |
| HR9397           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9398           |                       |        |        | HR9397 (Lo-16bits)           |
| HR9399           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9400           |                       |        |        | HR9399 (Lo-16bits)           |
| HR9401           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9402           |                       |        |        | HR9401 (Lo-16bits)           |
| HR9403           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9404           |                       |        |        | HR9403 (Lo-16bits)           |
| HR9405           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9406           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9407           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9408           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9409           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9410           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9411           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9412           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9413           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9414           |                       |        |        | HR9413 (Lo-16bits)           |
| HR9415           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9416           |                       |        |        | HR9415 (Lo-16bits)           |
| HR9417           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9418           |                       |        |        | HR9417 (Lo-16bits)           |
| HR9419           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9420           |                       |        |        | HR9419 (Lo-16bits)           |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9421           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9422           |                        |        |        | HR9421 (Lo-16bits)           |
| HR9423           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9424           |                        |        |        | HR9423 (Lo-16bits)           |
| HR9425           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9426           |                        |        |        | HR9425 (Lo-16bits)           |
| HR9427           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9428           |                        |        |        | HR9427 (Lo-16bits)           |
| HR9429           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9430           |                        |        |        | HR9429 (Lo-16bits)           |
| HR9431           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9432           |                        |        |        | HR9431 (Lo-16bits)           |
| HR9433           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9434           |                        |        |        | HR9433 (Lo-16bits)           |
| HR9435           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9436           |                        |        |        | HR9435 (Lo-16bits)           |
| HR9437           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9438           |                        |        |        | HR9437 (Lo-16bits)           |
| HR9439           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9440           |                        |        |        | HR9439 (Lo-16bits)           |
| HR9441           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9442           |                        |        |        | HR9441 (Lo-16bits)           |
| HR9443           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9444           |                        |        |        | HR9443 (Lo-16bits)           |
| HR9445           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9446           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9447           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9448           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9449           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9450           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9451           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9452           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9453           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9454           |                        |        |        | HR9453 (Lo-16bits)           |
| HR9455           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9456           |                        |        |        | HR9455 (Lo-16bits)           |
| HR9457           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9458           |                        |        |        | HR9457 (Lo-16bits)           |
| HR9459           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9460           |                        |        |        | HR9459 (Lo-16bits)           |
| HR9461           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9462           |                        |        |        | HR9461 (Lo-16bits)           |
| HR9463           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9464           |                        |        |        | HR9463 (Lo-16bits)           |
| HR9465           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9466           |                        |        |        | HR9465 (Lo-16bits)           |
| HR9467           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9468           |                        |        |        | HR9467 (Lo-16bits)           |
| HR9469           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9470           |                        |        |        | HR9469 (Lo-16bits)           |
| HR9471           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9472           |                        |        |        | HR9471 (Lo-16bits)           |
| HR9473           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9474           |                        |        |        | HR9473 (Lo-16bits)           |
| HR9475           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9476           |                        |        |        | HR9475 (Lo-16bits)           |
| HR9477           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9478           |                        |        |        | HR9477 (Lo-16bits)           |
| HR9479           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9480           |                        |        |        | HR9479 (Lo-16bits)           |

| Holding Register | Parameter           | Access | Length |                              |
|------------------|---------------------|--------|--------|------------------------------|
| HR9481           | FRQV1:f>>>> Op.time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9482           |                     |        |        | HR9481 (Lo-16bits)           |
| HR9483           | FRQV1:f>>>> Op.time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9484           |                     |        |        | HR9483 (Lo-16bits)           |
| HR9485           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9486           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9487           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9488           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9489           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9490           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9491           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9492           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9493           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9494           |                     |        |        | HR9493 (Lo-16bits)           |
| HR9495           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9496           |                     |        |        | HR9495 (Lo-16bits)           |
| HR9497           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9498           |                     |        |        | HR9497 (Lo-16bits)           |
| HR9499           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9500           |                     |        |        | HR9499 (Lo-16bits)           |
| HR9501           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9502           |                     |        |        | HR9501 (Lo-16bits)           |
| HR9503           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9504           |                     |        |        | HR9503 (Lo-16bits)           |
| HR9505           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9506           |                     |        |        | HR9505 (Lo-16bits)           |
| HR9507           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9508           |                     |        |        | HR9507 (Lo-16bits)           |
| HR9509           | FRQV1:f< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9510           |                     |        |        | HR9509 (Lo-16bits)           |

| Holding Register | Parameter            | Access | Length |                              |
|------------------|----------------------|--------|--------|------------------------------|
| HR9511           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9512           |                      |        |        | HR9511 (Lo-16bits)           |
| HR9513           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9514           |                      |        |        | HR9513 (Lo-16bits)           |
| HR9515           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9516           |                      |        |        | HR9515 (Lo-16bits)           |
| HR9517           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9518           |                      |        |        | HR9517 (Lo-16bits)           |
| HR9519           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9520           |                      |        |        | HR9519 (Lo-16bits)           |
| HR9521           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9522           |                      |        |        | HR9521 (Lo-16bits)           |
| HR9523           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9524           |                      |        |        | HR9523 (Lo-16bits)           |
| HR9525           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9526           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9527           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9528           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9529           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9530           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9531           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9532           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9533           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9534           |                      |        |        | HR9533 (Lo-16bits)           |
| HR9535           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9536           |                      |        |        | HR9535 (Lo-16bits)           |
| HR9537           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9538           |                      |        |        | HR9537 (Lo-16bits)           |
| HR9539           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9540           |                      |        |        | HR9539 (Lo-16bits)           |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9541           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9542           |                       |        |        | HR9541 (Lo-16bits)           |
| HR9543           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9544           |                       |        |        | HR9543 (Lo-16bits)           |
| HR9545           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9546           |                       |        |        | HR9545 (Lo-16bits)           |
| HR9547           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9548           |                       |        |        | HR9547 (Lo-16bits)           |
| HR9549           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9550           |                       |        |        | HR9549 (Lo-16bits)           |
| HR9551           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9552           |                       |        |        | HR9551 (Lo-16bits)           |
| HR9553           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9554           |                       |        |        | HR9553 (Lo-16bits)           |
| HR9555           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9556           |                       |        |        | HR9555 (Lo-16bits)           |
| HR9557           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9558           |                       |        |        | HR9557 (Lo-16bits)           |
| HR9559           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9560           |                       |        |        | HR9559 (Lo-16bits)           |
| HR9561           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9562           |                       |        |        | HR9561 (Lo-16bits)           |
| HR9563           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9564           |                       |        |        | HR9563 (Lo-16bits)           |
| HR9565           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9566           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9567           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9568           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9569           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9570           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |



| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9571           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9572           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9573           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9574           |                       |        |        | HR9573 (Lo-16bits)           |
| HR9575           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9576           |                       |        |        | HR9575 (Lo-16bits)           |
| HR9577           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9578           |                       |        |        | HR9577 (Lo-16bits)           |
| HR9579           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9580           |                       |        |        | HR9579 (Lo-16bits)           |
| HR9581           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9582           |                       |        |        | HR9581 (Lo-16bits)           |
| HR9583           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9584           |                       |        |        | HR9583 (Lo-16bits)           |
| HR9585           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9586           |                       |        |        | HR9585 (Lo-16bits)           |
| HR9587           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9588           |                       |        |        | HR9587 (Lo-16bits)           |
| HR9589           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9590           |                       |        |        | HR9589 (Lo-16bits)           |
| HR9591           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9592           |                       |        |        | HR9591 (Lo-16bits)           |
| HR9593           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9594           |                       |        |        | HR9593 (Lo-16bits)           |
| HR9595           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9596           |                       |        |        | HR9595 (Lo-16bits)           |
| HR9597           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9598           |                       |        |        | HR9597 (Lo-16bits)           |
| HR9599           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9600           |                       |        |        | HR9599 (Lo-16bits)           |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9601           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9602           |                        |        |        | HR9601 (Lo-16bits)           |
| HR9603           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9604           |                        |        |        | HR9603 (Lo-16bits)           |
| HR9605           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9606           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9607           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9608           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9609           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9610           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9611           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9612           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9613           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9614           |                        |        |        | HR9613 (Lo-16bits)           |
| HR9615           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9616           |                        |        |        | HR9615 (Lo-16bits)           |
| HR9617           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9618           |                        |        |        | HR9617 (Lo-16bits)           |
| HR9619           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9620           |                        |        |        | HR9619 (Lo-16bits)           |
| HR9621           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9622           |                        |        |        | HR9621 (Lo-16bits)           |
| HR9623           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9624           |                        |        |        | HR9623 (Lo-16bits)           |
| HR9625           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9626           |                        |        |        | HR9625 (Lo-16bits)           |
| HR9627           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9628           |                        |        |        | HR9627 (Lo-16bits)           |
| HR9629           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9630           |                        |        |        | HR9629 (Lo-16bits)           |

| Holding Register | Parameter                 | Access | Length |                                         |
|------------------|---------------------------|--------|--------|-----------------------------------------|
| HR9631           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9632           |                           |        |        | HR9631 (Lo-16bits)                      |
| HR9633           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9634           |                           |        |        | HR9633 (Lo-16bits)                      |
| HR9635           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9636           |                           |        |        | HR9635 (Lo-16bits)                      |
| HR9637           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9638           |                           |        |        | HR9637 (Lo-16bits)                      |
| HR9639           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9640           |                           |        |        | HR9639 (Lo-16bits)                      |
| HR9641           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9642           |                           |        |        | HR9641 (Lo-16bits)                      |
| HR9643           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9644           |                           |        |        | HR9643 (Lo-16bits)                      |
| HR9645           | GSYN:GSYN Nets Standstill | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9646           |                           |        |        | HR9645 (Lo-16bits)                      |
| HR9647           | GSYN:GSYN Nets Departing  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9648           |                           |        |        | HR9647 (Lo-16bits)                      |
| HR9649           | GSYN:GSYN Nets Enclosing  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9650           |                           |        |        | HR9649 (Lo-16bits)                      |
| HR9651           | DEV:Serial number         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR9652           |                           |        |        | HR9651 (Lo-16bits)                      |
| HR9653           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9654           |                           |        |        | HR9653 (Lo-16bits)                      |
| HR9655           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9656           |                           |        |        | HR9655 (Lo-16bits)                      |
| HR9657           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9658           |                           |        |        | HR9657 (Lo-16bits)                      |
| HR9659           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |

| Holding Register | Parameter      | Access | Length |                             |
|------------------|----------------|--------|--------|-----------------------------|
| HR9660           |                |        |        | HR9659 (Lo-16bits)          |
| HR9661           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9662           |                |        |        | HR9661 (Lo-16bits)          |
| HR9663           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9664           |                |        |        | HR9663 (Lo-16bits)          |
| HR9665           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9666           |                |        |        | HR9665 (Lo-16bits)          |
| HR9667           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9668           |                |        |        | HR9667 (Lo-16bits)          |
| HR9669           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9670           |                |        |        | HR9669 (Lo-16bits)          |
| HR9671           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9672           |                |        |        | HR9671 (Lo-16bits)          |
| HR9673           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9674           |                |        |        | HR9673 (Lo-16bits)          |
| HR9675           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9676           |                |        |        | HR9675 (Lo-16bits)          |
| HR9677           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9678           |                |        |        | HR9677 (Lo-16bits)          |
| HR9679           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9680           |                |        |        | HR9679 (Lo-16bits)          |
| HR9681           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9682           |                |        |        | HR9681 (Lo-16bits)          |
| HR9683           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9684           |                |        |        | HR9683 (Lo-16bits)          |
| HR9685           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9686           |                |        |        | HR9685 (Lo-16bits)          |
| HR9687           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9688           |                |        |        | HR9687 (Lo-16bits)          |

| Holding Register | Parameter                                                     | Access | Length |                        |
|------------------|---------------------------------------------------------------|--------|--------|------------------------|
| HR9689           | MBTCP:Enable mapped setting value modification through Modbus | RW     | 1      | 0=Disabled;1=Enabled   |
| HR9690           | NOC1:I> [50/51] mode                                          | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9691           | NOC2:I>> [50/51] mode                                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9692           | NOC3:I>>> [50/51] mode                                        | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9693           | NOC4:I>>>> [50/51] mode                                       | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9694           | NEF1:I0> [50N/51N] mode                                       | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9695           | NEF2:I0>> [50N/51N] mode                                      | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9696           | NEF3:I0>>> [50N/51N] mode                                     | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9697           | NEF4:I0>>>> [50N/51N] mode                                    | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9698           | CUB1:I2> [46] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9699           | CUB2:I2>> [46] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9700           | CUB3:I2>>> [46] mode                                          | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9701           | CUB4:I2>>>> [46] mode                                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9702           | OV1:U> [59] mode                                              | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9703           | OV2:U>> [59] mode                                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9704           | OV3:U>>> [59] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9705           | OV4:U>>>> [59] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9706           | UV1:U< [27] mode                                              | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9707           | UV2:U<< [27] mode                                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9708           | UV3:U<<< [27] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9709           | UV4:U<<<< [27] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9710           | VUB1:U1/2 >/< [47/27PN/59PN] mode                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9711           | VUB2:U1/2 >>/<< [47/27PN/59PN] mode                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9712           | VUB3:U1/2 >>>/<<< [47/27PN/59PN] mode                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9713           | VUB4:U1/2 >>>>/<<<< [47/27PN/59PN] mode                       | R(W)   | 1      | 0=Disabled;1=Activated |

| Holding Register | Parameter                 | Access | Length |                             |
|------------------|---------------------------|--------|--------|-----------------------------|
| HR9714           | FRQV1:f</> [81O/81U] mode | R(W)   | 1      | 0=Disabled;1=Activated      |
| HR9715           | MEAS1:IL1 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9716           |                           |        |        | HR9715 (Lo-16bits)          |
| HR9717           | MEAS1:IL1 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9718           |                           |        |        | HR9717 (Lo-16bits)          |
| HR9719           | MEAS1:IL2 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9720           |                           |        |        | HR9719 (Lo-16bits)          |
| HR9721           | MEAS1:IL2 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9722           |                           |        |        | HR9721 (Lo-16bits)          |
| HR9723           | MEAS1:IL3 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9724           |                           |        |        | HR9723 (Lo-16bits)          |
| HR9725           | MEAS1:IL3 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9726           |                           |        |        | HR9725 (Lo-16bits)          |
| HR9727           | MEAS1:I01 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9728           |                           |        |        | HR9727 (Lo-16bits)          |
| HR9729           | MEAS1:I01 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9730           |                           |        |        | HR9729 (Lo-16bits)          |
| HR9731           | MEAS1:I02 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9732           |                           |        |        | HR9731 (Lo-16bits)          |
| HR9733           | MEAS1:I02 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9734           |                           |        |        | HR9733 (Lo-16bits)          |
| HR9735           | MEAS2:I"L1 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9736           |                           |        |        | HR9735 (Lo-16bits)          |
| HR9737           | MEAS2:I"L1 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9738           |                           |        |        | HR9737 (Lo-16bits)          |
| HR9739           | MEAS2:I"L2 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9740           |                           |        |        | HR9739 (Lo-16bits)          |
| HR9741           | MEAS2:I"L2 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9742           |                           |        |        | HR9741 (Lo-16bits)          |

| Holding Register | Parameter                             | Access | Length |                                          |
|------------------|---------------------------------------|--------|--------|------------------------------------------|
| HR9743           | MEAS2:I <sup>L</sup> 3 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9744           |                                       |        |        | HR9743 (Lo-16bits)                       |
| HR9745           | MEAS2:I <sup>L</sup> 3 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9746           |                                       |        |        | HR9745 (Lo-16bits)                       |
| HR9747           | MEAS2:I <sup>L</sup> 01 Amplitude THD | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9748           |                                       |        |        | HR9747 (Lo-16bits)                       |
| HR9749           | MEAS2:I <sup>L</sup> 01 Power THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9750           |                                       |        |        | HR9749 (Lo-16bits)                       |
| HR9751           | MEAS2:I <sup>L</sup> 02 Amplitude THD | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9752           |                                       |        |        | HR9751 (Lo-16bits)                       |
| HR9753           | MEAS2:I <sup>L</sup> 02 Power THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9754           |                                       |        |        | HR9753 (Lo-16bits)                       |
| HR9755           | MEAS3:UL1 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9756           |                                       |        |        | HR9755 (Lo-16bits)                       |
| HR9757           | MEAS3:UL1 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9758           |                                       |        |        | HR9757 (Lo-16bits)                       |
| HR9759           | MEAS3:UL2 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9760           |                                       |        |        | HR9759 (Lo-16bits)                       |
| HR9761           | MEAS3:UL2 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9762           |                                       |        |        | HR9761 (Lo-16bits)                       |
| HR9763           | MEAS3:UL3 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9764           |                                       |        |        | HR9763 (Lo-16bits)                       |
| HR9765           | MEAS3:UL3 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9766           |                                       |        |        | HR9765 (Lo-16bits)                       |
| HR9767           | RTB:RTS to bus Magnitude <sub>9</sub> | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR9768           |                                       |        |        | HR9767 (Lo-16bits)                       |

| Holding Register | Parameter                            | Access | Length |                                                           |
|------------------|--------------------------------------|--------|--------|-----------------------------------------------------------|
| HR9769           | RTB:RTS to bus Magnitude 10          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits)                  |
| HR9770           |                                      |        |        | HR9769 (Lo-16bits)                                        |
| HR9771           | DIGI:DIs (cpu)                       | R      | 2      | 0b=DI1;1b=DI2;2b=DI3; (Hi-16bits)                         |
| HR9772           |                                      |        |        | HR9771 (Lo-16bits)                                        |
| HR9773           | DIGI:DIs (input option 1)            | R      | 2      | 0b=DI4;1b=DI5;2b=DI6;3b=DI7;4b=DI8;5b=DI9;6b=DI10;7b=DI11 |
| HR9774           |                                      |        |        | HR9773 (Lo-16bits)                                        |
| HR9775           | DIGI:DIs (input option 2)            | R      | 2      | 0b=DI12;1b=DI13;2b=DI14;3b=DI15;4b=DI16;5b=DI17;6b=DI18   |
| HR9776           |                                      |        |        | HR9775 (Lo-16bits)                                        |
| HR9777           | DIGI:DIs (input option 3)            | R      | 2      | 0b=DI20;1b=DI21;2b=DI22;3b=DI23;4b=DI24;5b=DI25;6b=DI26   |
| HR9778           |                                      |        |        | HR9777 (Lo-16bits)                                        |
| HR9779           | DIGI:DIs (input option 4)            | R      | 2      | 0b=DI28;1b=DI29;2b=DI30;3b=DI31;4b=DI32;5b=DI33;6b=DI34;  |
| HR9780           |                                      |        |        | HR9779 (Lo-16bits)                                        |
| HR9781           | DIGI:DIs (input option 5)            | R      | 2      | 0b=DI36;1b=DI37;2b=DI38;3b=DI39;4b=DI40;5b=DI41;6b=DI42   |
| HR9782           |                                      |        |        | HR9781 (Lo-16bits)                                        |
| HR9783           | DIGI:DIs (input option 6)            | R      | 2      | 0b=DI44;1b=DI45;2b=DI46;3b=DI47;4b=DI48;5b=DI49;6b=DI50   |
| HR9784           |                                      |        |        | HR9783 (Lo-16bits)                                        |
| HR9785           | FREQS:SS1.meas.frqs                  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                |
| HR9786           |                                      |        |        | HR9785 (Lo-16bits)                                        |
| HR9787           | FREQS:SS2.meas.frqs                  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                |
| HR9788           |                                      |        |        | HR9787 (Lo-16bits)                                        |
| HR9789           | SYN1:SYN2 Estimated BRK Closing time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9790           |                                      |        |        | HR9789 (Lo-16bits)                                        |
| HR9791           | SYN1:SYN2 Networks rotating time     | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9792           |                                      |        |        | HR9791 (Lo-16bits)                                        |
| HR9793           | SYN1:SYN2 Networks placement atm     | R      | 2      | FLOAT [-360.000...360.000] (Hi-16bits)                    |
| HR9794           |                                      |        |        | HR9793 (Lo-16bits)                                        |
| HR9795           | SYN1:SYN3 Estimated BRK Closing time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9796           |                                      |        |        | HR9795 (Lo-16bits)                                        |



| Holding Register | Parameter                        | Access | Length |                                                    |
|------------------|----------------------------------|--------|--------|----------------------------------------------------|
| HR9797           | SYN1:SYN3 Networks rotating time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                    |
| HR9798           |                                  |        |        | HR9797 (Lo-16bits)                                 |
| HR9799           | SYN1:SYN3 Networks placement atm | R      | 2      | FLOAT [-360.000...360.000] (Hi-16bits)             |
| HR9800           |                                  |        |        | HR9799 (Lo-16bits)                                 |
| HR9801           | COL1:ICOL> (49OL) mode           | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9802           | COL2:ICOL>> (49OL) mode          | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9803           | CNU1:CNU> (50UB) mode            | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9906           | Object6 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9907           | Object7 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9908           | Object8 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9909           | Object9 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9910           | Object10 control register        | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |

## 1.4 R Modbus map

The following table lists modbus holding registers for AQ-R215 devices with firmware R\_v2.1.1.3-233.



### NOTICE!

Best way to always get the latest Modbus map is to load the aqs configuration file from the unit and in the AQtivate setting tool go to *Tools* → *Communication* → *Modbus map*.

Table. 1.4 - 4. AQ-21x frame Modbus map

| Holding Register | Parameter                | Access | Length |                                                    |
|------------------|--------------------------|--------|--------|----------------------------------------------------|
| HR1              | Modbus requests          | R/W=0  | 1      | Diagnostic request counter                         |
| HR2              | Modbus quality           | R      | 1      | Diagnostic quality                                 |
| HR3              | Modbus errors            | R/W=0  | 1      | Diagnostic error counter                           |
| HR4              | Modbus Ctrl OK           | R/W=0  | 1      | Diagnostic Control OK counter                      |
| HR5              | Modbus Ctrl Errors       | R/W=0  | 1      | Diagnostic Control Error counter                   |
| HR6              | Object1 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR7              | Object2 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR8              | Object3 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |

| Holding Register | Parameter                   | Access | Length |                                                    |
|------------------|-----------------------------|--------|--------|----------------------------------------------------|
| HR9              | Object4 control register    | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR10             | Object5 control register    | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR11             | Previous Event register     | R      | 6      | Event code                                         |
| HR12             | Previous Event register     | R      | 6      | Event timestamp (ms)                               |
| HR13             | Previous Event register     | R      | 6      | Event timestamp (sec Hi-16bits)                    |
| HR14             | Previous Event register     | R      | 6      | Event timestamp (sec Lo-16bits)                    |
| HR15             | Previous Event register     | R      | 6      | Event sequential index                             |
| HR16             | Previous Event register     | R      | 6      | RESERVED                                           |
| HR17             | Event register              | R      | 6      | Event code                                         |
| HR18             | Event register              | R      | 6      | Event timestamp (ms)                               |
| HR19             | Event register              | R      | 6      | Event timestamp (sec Hi-16bits)                    |
| HR20             | Event register              | R      | 6      | Event timestamp (sec Lo-16bits)                    |
| HR21             | Event register              | R      | 6      | Event sequential index                             |
| HR22             | Event register              | R      | 6      | RESERVED                                           |
| HR23             | System time                 | RW     | 3      | System time (ms)                                   |
| HR24             | System time                 | RW     | 3      | System time (sec Hi-16bits)                        |
| HR25             | System time                 | RW     | 3      | System time (sec Lo-16bits)                        |
| HR26             | MEAS1: Pri.Pha.curr.IL1 ff. | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR27             |                             |        |        | HR26 (Lo-16bits)                                   |
| HR28             | MEAS1: Pri.Pha.curr.IL2 ff. | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR29             |                             |        |        | HR28 (Lo-16bits)                                   |
| HR30             | MEAS1: Pri.Pha.curr.IL3 ff. | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR31             |                             |        |        | HR30 (Lo-16bits)                                   |
| HR32             | MEAS1: Pri.Res.curr.I01 ff. | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR33             |                             |        |        | HR32 (Lo-16bits)                                   |
| HR34             | MEAS1: Pri.Res.curr.I02 ff. | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR35             |                             |        |        | HR34 (Lo-16bits)                                   |
| HR36             | MEAS1: Pri.Pha.curr.IL1 3h. | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR37             |                             |        |        | HR36 (Lo-16bits)                                   |
| HR38             | MEAS1: Pri.Pha.curr.IL2 3h. | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |

| Holding Register | Parameter                   | Access | Length |                                |
|------------------|-----------------------------|--------|--------|--------------------------------|
| HR39             |                             |        |        | HR38 (Lo-16bits)               |
| HR40             | MEAS1:Pri.Pha.curr.IL3 3h.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR41             |                             |        |        | HR40 (Lo-16bits)               |
| HR42             | MEAS1:Pha.angle IL1         | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR43             |                             |        |        | HR42 (Lo-16bits)               |
| HR44             | MEAS1:Pha.angle IL2         | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR45             |                             |        |        | HR44 (Lo-16bits)               |
| HR46             | MEAS1:Pha.angle IL3         | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR47             |                             |        |        | HR46 (Lo-16bits)               |
| HR48             | MEAS1:Pri.Res.curr.I01 3h.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR49             |                             |        |        | HR48 (Lo-16bits)               |
| HR50             | MEAS1:Res.curr.angle I01    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR51             |                             |        |        | HR50 (Lo-16bits)               |
| HR52             | MEAS1:Pri.Res.curr.I02 3h.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR53             |                             |        |        | HR52 (Lo-16bits)               |
| HR54             | MEAS1:Res.curr.angle I02    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR55             |                             |        |        | HR54 (Lo-16bits)               |
| HR56             | MEAS1:Pri.calc.I0           | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR57             |                             |        |        | HR56 (Lo-16bits)               |
| HR58             | MEAS1:calc.I0 Pha.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR59             |                             |        |        | HR58 (Lo-16bits)               |
| HR60             | MEAS1:Pha.curr.IL1 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR61             |                             |        |        | HR60 (Lo-16bits)               |
| HR62             | MEAS1:Pha.curr.IL2 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR63             |                             |        |        | HR62 (Lo-16bits)               |
| HR64             | MEAS1:Pha.curr.IL3 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR65             |                             |        |        | HR64 (Lo-16bits)               |
| HR66             | MEAS1:Pri.Pos.seq.curr.     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR67             |                             |        |        | HR66 (Lo-16bits)               |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR68             | MEAS1: Pri.Neg.seq.curr.     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR69             |                              |        |        | HR68 (Lo-16bits)               |
| HR70             | MEAS1: Pri.Zero seq.curr.    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR71             |                              |        |        | HR70 (Lo-16bits)               |
| HR72             | MEAS1: Pos.seq.curr.angle    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR73             |                              |        |        | HR72 (Lo-16bits)               |
| HR74             | MEAS1: Neg.seq.curr.angle    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR75             |                              |        |        | HR74 (Lo-16bits)               |
| HR76             | MEAS1: Zero seq.curr.angle   | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR77             |                              |        |        | HR76 (Lo-16bits)               |
| HR78             | MEAS1: Res.curr.I01 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR79             |                              |        |        | HR78 (Lo-16bits)               |
| HR80             | MEAS1: Res.curr.I02 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR81             |                              |        |        | HR80 (Lo-16bits)               |
| HR82             | MEAS1: Pha.L1 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR83             |                              |        |        | HR82 (Lo-16bits)               |
| HR84             | MEAS1: Pha.L1 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR85             |                              |        |        | HR84 (Lo-16bits)               |
| HR86             | MEAS1: Pha.L2 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR87             |                              |        |        | HR86 (Lo-16bits)               |
| HR88             | MEAS1: Pha.L2 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR89             |                              |        |        | HR88 (Lo-16bits)               |
| HR90             | MEAS1: Pha.L3 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR91             |                              |        |        | HR90 (Lo-16bits)               |
| HR92             | MEAS1: Pha.L3 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR93             |                              |        |        | HR92 (Lo-16bits)               |
| HR94             | MEAS1: Res.I01 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR95             |                              |        |        | HR94 (Lo-16bits)               |
| HR96             | MEAS1: Res.I01 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |

| Holding Register | Parameter               | Access | Length |                                |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR97             |                         |        |        | HR96 (Lo-16bits)               |
| HR98             | MEAS1:Res.I02 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR99             |                         |        |        | HR98 (Lo-16bits)               |
| HR100            | MEAS1:Res.I02 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR101            |                         |        |        | HR100 (Lo-16bits)              |
| HR102            | MEAS1:P-P curr.IL1      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR103            |                         |        |        | HR102 (Lo-16bits)              |
| HR104            | MEAS1:P-P curr.IL2      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR105            |                         |        |        | HR104 (Lo-16bits)              |
| HR106            | MEAS1:P-P curr.IL3      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR107            |                         |        |        | HR106 (Lo-16bits)              |
| HR108            | MEAS1:P-P curr.I01      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR109            |                         |        |        | HR108 (Lo-16bits)              |
| HR110            | MEAS1:P-P curr.I02      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR111            |                         |        |        | HR110 (Lo-16bits)              |
| HR112            | MEAS1:IL1 Fund          | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR113            |                         |        |        | HR112 (Lo-16bits)              |
| HR114            | MEAS1:IL1 2.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR115            |                         |        |        | HR114 (Lo-16bits)              |
| HR116            | MEAS1:IL1 3.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR117            |                         |        |        | HR116 (Lo-16bits)              |
| HR118            | MEAS1:IL1 4.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR119            |                         |        |        | HR118 (Lo-16bits)              |
| HR120            | MEAS1:IL1 5.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR121            |                         |        |        | HR120 (Lo-16bits)              |
| HR122            | MEAS1:IL1 6.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR123            |                         |        |        | HR122 (Lo-16bits)              |
| HR124            | MEAS1:IL1 7.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR125            |                         |        |        | HR124 (Lo-16bits)              |
| HR126            | MEAS1:IL1 8.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR127            |                   |        |        | HR126 (Lo-16bits)              |
| HR128            | MEAS1:IL1 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR129            |                   |        |        | HR128 (Lo-16bits)              |
| HR130            | MEAS1:IL1 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR131            |                   |        |        | HR130 (Lo-16bits)              |
| HR132            | MEAS1:IL1 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR133            |                   |        |        | HR132 (Lo-16bits)              |
| HR134            | MEAS1:IL1 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR135            |                   |        |        | HR134 (Lo-16bits)              |
| HR136            | MEAS1:IL1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR137            |                   |        |        | HR136 (Lo-16bits)              |
| HR138            | MEAS1:IL1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR139            |                   |        |        | HR138 (Lo-16bits)              |
| HR140            | MEAS1:IL1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR141            |                   |        |        | HR140 (Lo-16bits)              |
| HR142            | MEAS1:IL1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR143            |                   |        |        | HR142 (Lo-16bits)              |
| HR144            | MEAS1:IL1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR145            |                   |        |        | HR144 (Lo-16bits)              |
| HR146            | MEAS1:IL1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR147            |                   |        |        | HR146 (Lo-16bits)              |
| HR148            | MEAS1:IL1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR149            |                   |        |        | HR148 (Lo-16bits)              |
| HR150            | MEAS1:IL1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR151            |                   |        |        | HR150 (Lo-16bits)              |
| HR152            | MEAS1:IL1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR153            |                   |        |        | HR152 (Lo-16bits)              |
| HR154            | MEAS1:IL1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR155            |                   |        |        | HR154 (Lo-16bits)              |
| HR156            | MEAS1:IL1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR157            |                   |        |        | HR156 (Lo-16bits)              |
| HR158            | MEAS1:IL1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR159            |                   |        |        | HR158 (Lo-16bits)              |
| HR160            | MEAS1:IL1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR161            |                   |        |        | HR160 (Lo-16bits)              |
| HR162            | MEAS1:IL1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR163            |                   |        |        | HR162 (Lo-16bits)              |
| HR164            | MEAS1:IL1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR165            |                   |        |        | HR164 (Lo-16bits)              |
| HR166            | MEAS1:IL1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR167            |                   |        |        | HR166 (Lo-16bits)              |
| HR168            | MEAS1:IL1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR169            |                   |        |        | HR168 (Lo-16bits)              |
| HR170            | MEAS1:IL1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR171            |                   |        |        | HR170 (Lo-16bits)              |
| HR172            | MEAS1:IL1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR173            |                   |        |        | HR172 (Lo-16bits)              |
| HR174            | MEAS1:IL2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR175            |                   |        |        | HR174 (Lo-16bits)              |
| HR176            | MEAS1:IL2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR177            |                   |        |        | HR176 (Lo-16bits)              |
| HR178            | MEAS1:IL2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR179            |                   |        |        | HR178 (Lo-16bits)              |
| HR180            | MEAS1:IL2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR181            |                   |        |        | HR180 (Lo-16bits)              |
| HR182            | MEAS1:IL2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR183            |                   |        |        | HR182 (Lo-16bits)              |
| HR184            | MEAS1:IL2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR185            |                   |        |        | HR184 (Lo-16bits)              |
| HR186            | MEAS1:IL2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR187            |                   |        |        | HR186 (Lo-16bits)              |
| HR188            | MEAS1:IL2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR189            |                   |        |        | HR188 (Lo-16bits)              |
| HR190            | MEAS1:IL2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR191            |                   |        |        | HR190 (Lo-16bits)              |
| HR192            | MEAS1:IL2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR193            |                   |        |        | HR192 (Lo-16bits)              |
| HR194            | MEAS1:IL2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR195            |                   |        |        | HR194 (Lo-16bits)              |
| HR196            | MEAS1:IL2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR197            |                   |        |        | HR196 (Lo-16bits)              |
| HR198            | MEAS1:IL2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR199            |                   |        |        | HR198 (Lo-16bits)              |
| HR200            | MEAS1:IL2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR201            |                   |        |        | HR200 (Lo-16bits)              |
| HR202            | MEAS1:IL2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR203            |                   |        |        | HR202 (Lo-16bits)              |
| HR204            | MEAS1:IL2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR205            |                   |        |        | HR204 (Lo-16bits)              |
| HR206            | MEAS1:IL2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR207            |                   |        |        | HR206 (Lo-16bits)              |
| HR208            | MEAS1:IL2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR209            |                   |        |        | HR208 (Lo-16bits)              |
| HR210            | MEAS1:IL2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR211            |                   |        |        | HR210 (Lo-16bits)              |
| HR212            | MEAS1:IL2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR213            |                   |        |        | HR212 (Lo-16bits)              |
| HR214            | MEAS1:IL2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR215            |                   |        |        | HR214 (Lo-16bits)              |
| HR216            | MEAS1:IL2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |



| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR217            |                   |        |        | HR216 (Lo-16bits)              |
| HR218            | MEAS1:IL2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR219            |                   |        |        | HR218 (Lo-16bits)              |
| HR220            | MEAS1:IL2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR221            |                   |        |        | HR220 (Lo-16bits)              |
| HR222            | MEAS1:IL2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR223            |                   |        |        | HR222 (Lo-16bits)              |
| HR224            | MEAS1:IL2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR225            |                   |        |        | HR224 (Lo-16bits)              |
| HR226            | MEAS1:IL2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR227            |                   |        |        | HR226 (Lo-16bits)              |
| HR228            | MEAS1:IL2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR229            |                   |        |        | HR228 (Lo-16bits)              |
| HR230            | MEAS1:IL2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR231            |                   |        |        | HR230 (Lo-16bits)              |
| HR232            | MEAS1:IL2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR233            |                   |        |        | HR232 (Lo-16bits)              |
| HR234            | MEAS1:IL2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR235            |                   |        |        | HR234 (Lo-16bits)              |
| HR236            | MEAS1:IL3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR237            |                   |        |        | HR236 (Lo-16bits)              |
| HR238            | MEAS1:IL3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR239            |                   |        |        | HR238 (Lo-16bits)              |
| HR240            | MEAS1:IL3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR241            |                   |        |        | HR240 (Lo-16bits)              |
| HR242            | MEAS1:IL3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR243            |                   |        |        | HR242 (Lo-16bits)              |
| HR244            | MEAS1:IL3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR245            |                   |        |        | HR244 (Lo-16bits)              |
| HR246            | MEAS1:IL3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR247            |                   |        |        | HR246 (Lo-16bits)              |
| HR248            | MEAS1:IL3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR249            |                   |        |        | HR248 (Lo-16bits)              |
| HR250            | MEAS1:IL3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR251            |                   |        |        | HR250 (Lo-16bits)              |
| HR252            | MEAS1:IL3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR253            |                   |        |        | HR252 (Lo-16bits)              |
| HR254            | MEAS1:IL3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR255            |                   |        |        | HR254 (Lo-16bits)              |
| HR256            | MEAS1:IL3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR257            |                   |        |        | HR256 (Lo-16bits)              |
| HR258            | MEAS1:IL3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR259            |                   |        |        | HR258 (Lo-16bits)              |
| HR260            | MEAS1:IL3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR261            |                   |        |        | HR260 (Lo-16bits)              |
| HR262            | MEAS1:IL3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR263            |                   |        |        | HR262 (Lo-16bits)              |
| HR264            | MEAS1:IL3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR265            |                   |        |        | HR264 (Lo-16bits)              |
| HR266            | MEAS1:IL3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR267            |                   |        |        | HR266 (Lo-16bits)              |
| HR268            | MEAS1:IL3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR269            |                   |        |        | HR268 (Lo-16bits)              |
| HR270            | MEAS1:IL3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR271            |                   |        |        | HR270 (Lo-16bits)              |
| HR272            | MEAS1:IL3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR273            |                   |        |        | HR272 (Lo-16bits)              |
| HR274            | MEAS1:IL3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR275            |                   |        |        | HR274 (Lo-16bits)              |
| HR276            | MEAS1:IL3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR277            |                   |        |        | HR276 (Lo-16bits)              |
| HR278            | MEAS1:IL3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR279            |                   |        |        | HR278 (Lo-16bits)              |
| HR280            | MEAS1:IL3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR281            |                   |        |        | HR280 (Lo-16bits)              |
| HR282            | MEAS1:IL3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR283            |                   |        |        | HR282 (Lo-16bits)              |
| HR284            | MEAS1:IL3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR285            |                   |        |        | HR284 (Lo-16bits)              |
| HR286            | MEAS1:IL3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR287            |                   |        |        | HR286 (Lo-16bits)              |
| HR288            | MEAS1:IL3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR289            |                   |        |        | HR288 (Lo-16bits)              |
| HR290            | MEAS1:IL3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR291            |                   |        |        | HR290 (Lo-16bits)              |
| HR292            | MEAS1:IL3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR293            |                   |        |        | HR292 (Lo-16bits)              |
| HR294            | MEAS1:IL3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR295            |                   |        |        | HR294 (Lo-16bits)              |
| HR296            | MEAS1:IL3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR297            |                   |        |        | HR296 (Lo-16bits)              |
| HR298            | MEAS1:I01 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR299            |                   |        |        | HR298 (Lo-16bits)              |
| HR300            | MEAS1:I01 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR301            |                   |        |        | HR300 (Lo-16bits)              |
| HR302            | MEAS1:I01 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR303            |                   |        |        | HR302 (Lo-16bits)              |
| HR304            | MEAS1:I01 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR305            |                   |        |        | HR304 (Lo-16bits)              |
| HR306            | MEAS1:I01 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR307            |                   |        |        | HR306 (Lo-16bits)              |
| HR308            | MEAS1:I01 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR309            |                   |        |        | HR308 (Lo-16bits)              |
| HR310            | MEAS1:I01 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR311            |                   |        |        | HR310 (Lo-16bits)              |
| HR312            | MEAS1:I01 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR313            |                   |        |        | HR312 (Lo-16bits)              |
| HR314            | MEAS1:I01 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR315            |                   |        |        | HR314 (Lo-16bits)              |
| HR316            | MEAS1:I01 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR317            |                   |        |        | HR316 (Lo-16bits)              |
| HR318            | MEAS1:I01 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR319            |                   |        |        | HR318 (Lo-16bits)              |
| HR320            | MEAS1:I01 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR321            |                   |        |        | HR320 (Lo-16bits)              |
| HR322            | MEAS1:I01 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR323            |                   |        |        | HR322 (Lo-16bits)              |
| HR324            | MEAS1:I01 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR325            |                   |        |        | HR324 (Lo-16bits)              |
| HR326            | MEAS1:I01 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR327            |                   |        |        | HR326 (Lo-16bits)              |
| HR328            | MEAS1:I01 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR329            |                   |        |        | HR328 (Lo-16bits)              |
| HR330            | MEAS1:I01 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR331            |                   |        |        | HR330 (Lo-16bits)              |
| HR332            | MEAS1:I01 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR333            |                   |        |        | HR332 (Lo-16bits)              |
| HR334            | MEAS1:I01 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR335            |                   |        |        | HR334 (Lo-16bits)              |
| HR336            | MEAS1:I01 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR337            |                   |        |        | HR336 (Lo-16bits)              |
| HR338            | MEAS1:I01 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR339            |                   |        |        | HR338 (Lo-16bits)              |
| HR340            | MEAS1:I01 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR341            |                   |        |        | HR340 (Lo-16bits)              |
| HR342            | MEAS1:I01 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR343            |                   |        |        | HR342 (Lo-16bits)              |
| HR344            | MEAS1:I01 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR345            |                   |        |        | HR344 (Lo-16bits)              |
| HR346            | MEAS1:I01 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR347            |                   |        |        | HR346 (Lo-16bits)              |
| HR348            | MEAS1:I01 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR349            |                   |        |        | HR348 (Lo-16bits)              |
| HR350            | MEAS1:I01 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR351            |                   |        |        | HR350 (Lo-16bits)              |
| HR352            | MEAS1:I01 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR353            |                   |        |        | HR352 (Lo-16bits)              |
| HR354            | MEAS1:I01 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR355            |                   |        |        | HR354 (Lo-16bits)              |
| HR356            | MEAS1:I01 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR357            |                   |        |        | HR356 (Lo-16bits)              |
| HR358            | MEAS1:I01 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR359            |                   |        |        | HR358 (Lo-16bits)              |
| HR360            | MEAS1:I02 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR361            |                   |        |        | HR360 (Lo-16bits)              |
| HR362            | MEAS1:I02 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR363            |                   |        |        | HR362 (Lo-16bits)              |
| HR364            | MEAS1:I02 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR365            |                   |        |        | HR364 (Lo-16bits)              |
| HR366            | MEAS1:I02 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR367            |                   |        |        | HR366 (Lo-16bits)              |
| HR368            | MEAS1:I02 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR369            |                   |        |        | HR368 (Lo-16bits)              |
| HR370            | MEAS1:I02 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR371            |                   |        |        | HR370 (Lo-16bits)              |
| HR372            | MEAS1:I02 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR373            |                   |        |        | HR372 (Lo-16bits)              |
| HR374            | MEAS1:I02 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR375            |                   |        |        | HR374 (Lo-16bits)              |
| HR376            | MEAS1:I02 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR377            |                   |        |        | HR376 (Lo-16bits)              |
| HR378            | MEAS1:I02 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR379            |                   |        |        | HR378 (Lo-16bits)              |
| HR380            | MEAS1:I02 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR381            |                   |        |        | HR380 (Lo-16bits)              |
| HR382            | MEAS1:I02 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR383            |                   |        |        | HR382 (Lo-16bits)              |
| HR384            | MEAS1:I02 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR385            |                   |        |        | HR384 (Lo-16bits)              |
| HR386            | MEAS1:I02 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR387            |                   |        |        | HR386 (Lo-16bits)              |
| HR388            | MEAS1:I02 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR389            |                   |        |        | HR388 (Lo-16bits)              |
| HR390            | MEAS1:I02 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR391            |                   |        |        | HR390 (Lo-16bits)              |
| HR392            | MEAS1:I02 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR393            |                   |        |        | HR392 (Lo-16bits)              |
| HR394            | MEAS1:I02 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR395            |                   |        |        | HR394 (Lo-16bits)              |
| HR396            | MEAS1:I02 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                                |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR397            |                         |        |        | HR396 (Lo-16bits)              |
| HR398            | MEAS1:I02 20.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR399            |                         |        |        | HR398 (Lo-16bits)              |
| HR400            | MEAS1:I02 21.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR401            |                         |        |        | HR400 (Lo-16bits)              |
| HR402            | MEAS1:I02 22.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR403            |                         |        |        | HR402 (Lo-16bits)              |
| HR404            | MEAS1:I02 23.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR405            |                         |        |        | HR404 (Lo-16bits)              |
| HR406            | MEAS1:I02 24.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR407            |                         |        |        | HR406 (Lo-16bits)              |
| HR408            | MEAS1:I02 25.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR409            |                         |        |        | HR408 (Lo-16bits)              |
| HR410            | MEAS1:I02 26.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR411            |                         |        |        | HR410 (Lo-16bits)              |
| HR412            | MEAS1:I02 27.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR413            |                         |        |        | HR412 (Lo-16bits)              |
| HR414            | MEAS1:I02 28.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR415            |                         |        |        | HR414 (Lo-16bits)              |
| HR416            | MEAS1:I02 29.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR417            |                         |        |        | HR416 (Lo-16bits)              |
| HR418            | MEAS1:I02 30.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR419            |                         |        |        | HR418 (Lo-16bits)              |
| HR420            | MEAS1:I02 31.harm       | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR421            |                         |        |        | HR420 (Lo-16bits)              |
| HR422            | MEAS1:Meas1 IL ang. Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR423            |                         |        |        | HR422 (Lo-16bits)              |
| HR424            | MEAS2:Pri.Pha.curr.I"L1 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR425            |                         |        |        | HR424 (Lo-16bits)              |
| HR426            | MEAS2:Pri.Pha.curr.I"L2 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                                |
|------------------|-------------------------------|--------|--------|--------------------------------|
| HR427            |                               |        |        | HR426 (Lo-16bits)              |
| HR428            | MEAS2: Pri.Pha.curr.I"L3      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR429            |                               |        |        | HR428 (Lo-16bits)              |
| HR430            | MEAS2: Pha.angle I"L1         | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR431            |                               |        |        | HR430 (Lo-16bits)              |
| HR432            | MEAS2: Pha.angle I"L2         | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR433            |                               |        |        | HR432 (Lo-16bits)              |
| HR434            | MEAS2: Pha.angle I"L3         | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR435            |                               |        |        | HR434 (Lo-16bits)              |
| HR436            | MEAS2: Pri.Res.curr.I"01      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR437            |                               |        |        | HR436 (Lo-16bits)              |
| HR438            | MEAS2: Res.curr.angle I"01    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR439            |                               |        |        | HR438 (Lo-16bits)              |
| HR440            | MEAS2: Pri.Res.curr.I"02      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR441            |                               |        |        | HR440 (Lo-16bits)              |
| HR442            | MEAS2: Res.curr.angle I"02    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR443            |                               |        |        | HR442 (Lo-16bits)              |
| HR444            | MEAS2: Pri.calc.I"0           | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR445            |                               |        |        | HR444 (Lo-16bits)              |
| HR446            | MEAS2: calc.I"0 Pha.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR447            |                               |        |        | HR446 (Lo-16bits)              |
| HR448            | MEAS2: Pha.curr.I"L1 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR449            |                               |        |        | HR448 (Lo-16bits)              |
| HR450            | MEAS2: Pha.curr.I"L2 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR451            |                               |        |        | HR450 (Lo-16bits)              |
| HR452            | MEAS2: Pha.curr.I"L3 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR453            |                               |        |        | HR452 (Lo-16bits)              |
| HR454            | MEAS2: I" Pri.Pos.seq.curr.   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR455            |                               |        |        | HR454 (Lo-16bits)              |



| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR456            | MEAS2:I" Pri.Neg.seq.curr.   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR457            |                              |        |        | HR456 (Lo-16bits)              |
| HR458            | MEAS2:I" Pri.Zero seq.curr.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR459            |                              |        |        | HR458 (Lo-16bits)              |
| HR460            | MEAS2:I" Pos.seq.curr.angle  | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR461            |                              |        |        | HR460 (Lo-16bits)              |
| HR462            | MEAS2:I" Neg.seq.curr.angle  | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR463            |                              |        |        | HR462 (Lo-16bits)              |
| HR464            | MEAS2:I" Zero seq.curr.angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR465            |                              |        |        | HR464 (Lo-16bits)              |
| HR466            | MEAS2:Res.curr.I"01 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR467            |                              |        |        | HR466 (Lo-16bits)              |
| HR468            | MEAS2:Res.curr.I"02 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR469            |                              |        |        | HR468 (Lo-16bits)              |
| HR470            | MEAS2:Pha.I"L1 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR471            |                              |        |        | HR470 (Lo-16bits)              |
| HR472            | MEAS2:Pha.I"L1 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR473            |                              |        |        | HR472 (Lo-16bits)              |
| HR474            | MEAS2:Pha.I"L2 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR475            |                              |        |        | HR474 (Lo-16bits)              |
| HR476            | MEAS2:Pha.I"L2 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR477            |                              |        |        | HR476 (Lo-16bits)              |
| HR478            | MEAS2:Pha.I"L3 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR479            |                              |        |        | HR478 (Lo-16bits)              |
| HR480            | MEAS2:Pha.I"L3 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR481            |                              |        |        | HR480 (Lo-16bits)              |

| Holding Register | Parameter                | Access | Length |                                |
|------------------|--------------------------|--------|--------|--------------------------------|
| HR482            | MEAS2:Res.I"01 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR483            |                          |        |        | HR482 (Lo-16bits)              |
| HR484            | MEAS2:Res.I"01 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR485            |                          |        |        | HR484 (Lo-16bits)              |
| HR486            | MEAS2:Res.I"02 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR487            |                          |        |        | HR486 (Lo-16bits)              |
| HR488            | MEAS2:Res.I"02 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR489            |                          |        |        | HR488 (Lo-16bits)              |
| HR490            | MEAS2:P-P curr.I"L1      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR491            |                          |        |        | HR490 (Lo-16bits)              |
| HR492            | MEAS2:P-P curr.I"L2      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR493            |                          |        |        | HR492 (Lo-16bits)              |
| HR494            | MEAS2:P-P curr.I"L3      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR495            |                          |        |        | HR494 (Lo-16bits)              |
| HR496            | MEAS2:P-P curr.I"01      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR497            |                          |        |        | HR496 (Lo-16bits)              |
| HR498            | MEAS2:P-P curr.I"02      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR499            |                          |        |        | HR498 (Lo-16bits)              |
| HR500            | MEAS2:I"L1 Fund          | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR501            |                          |        |        | HR500 (Lo-16bits)              |
| HR502            | MEAS2:I"L1 2.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR503            |                          |        |        | HR502 (Lo-16bits)              |
| HR504            | MEAS2:I"L1 3.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR505            |                          |        |        | HR504 (Lo-16bits)              |
| HR506            | MEAS2:I"L1 4.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR507            |                          |        |        | HR506 (Lo-16bits)              |
| HR508            | MEAS2:I"L1 5.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR509            |                          |        |        | HR508 (Lo-16bits)              |
| HR510            | MEAS2:I"L1 6.harm        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR511            |                    |        |        | HR510 (Lo-16bits)              |
| HR512            | MEAS2:I"L1 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR513            |                    |        |        | HR512 (Lo-16bits)              |
| HR514            | MEAS2:I"L1 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR515            |                    |        |        | HR514 (Lo-16bits)              |
| HR516            | MEAS2:I"L1 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR517            |                    |        |        | HR516 (Lo-16bits)              |
| HR518            | MEAS2:I"L1 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR519            |                    |        |        | HR518 (Lo-16bits)              |
| HR520            | MEAS2:I"L1 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR521            |                    |        |        | HR520 (Lo-16bits)              |
| HR522            | MEAS2:I"L1 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR523            |                    |        |        | HR522 (Lo-16bits)              |
| HR524            | MEAS2:I"L1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR525            |                    |        |        | HR524 (Lo-16bits)              |
| HR526            | MEAS2:I"L1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR527            |                    |        |        | HR526 (Lo-16bits)              |
| HR528            | MEAS2:I"L1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR529            |                    |        |        | HR528 (Lo-16bits)              |
| HR530            | MEAS2:I"L1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR531            |                    |        |        | HR530 (Lo-16bits)              |
| HR532            | MEAS2:I"L1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR533            |                    |        |        | HR532 (Lo-16bits)              |
| HR534            | MEAS2:I"L1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR535            |                    |        |        | HR534 (Lo-16bits)              |
| HR536            | MEAS2:I"L1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR537            |                    |        |        | HR536 (Lo-16bits)              |
| HR538            | MEAS2:I"L1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR539            |                    |        |        | HR538 (Lo-16bits)              |
| HR540            | MEAS2:I"L1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR541            |                    |        |        | HR540 (Lo-16bits)              |
| HR542            | MEAS2:I"L1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR543            |                    |        |        | HR542 (Lo-16bits)              |
| HR544            | MEAS2:I"L1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR545            |                    |        |        | HR544 (Lo-16bits)              |
| HR546            | MEAS2:I"L1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR547            |                    |        |        | HR546 (Lo-16bits)              |
| HR548            | MEAS2:I"L1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR549            |                    |        |        | HR548 (Lo-16bits)              |
| HR550            | MEAS2:I"L1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR551            |                    |        |        | HR550 (Lo-16bits)              |
| HR552            | MEAS2:I"L1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR553            |                    |        |        | HR552 (Lo-16bits)              |
| HR554            | MEAS2:I"L1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR555            |                    |        |        | HR554 (Lo-16bits)              |
| HR556            | MEAS2:I"L1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR557            |                    |        |        | HR556 (Lo-16bits)              |
| HR558            | MEAS2:I"L1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR559            |                    |        |        | HR558 (Lo-16bits)              |
| HR560            | MEAS2:I"L1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR561            |                    |        |        | HR560 (Lo-16bits)              |
| HR562            | MEAS2:I"L2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR563            |                    |        |        | HR562 (Lo-16bits)              |
| HR564            | MEAS2:I"L2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR565            |                    |        |        | HR564 (Lo-16bits)              |
| HR566            | MEAS2:I"L2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR567            |                    |        |        | HR566 (Lo-16bits)              |
| HR568            | MEAS2:I"L2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR569            |                    |        |        | HR568 (Lo-16bits)              |
| HR570            | MEAS2:I"L2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                       | Access | Length |                                |
|------------------|---------------------------------|--------|--------|--------------------------------|
| HR571            |                                 |        |        | HR570 (Lo-16bits)              |
| HR572            | MEAS2:I <sup>2</sup> L2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR573            |                                 |        |        | HR572 (Lo-16bits)              |
| HR574            | MEAS2:I <sup>2</sup> L2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR575            |                                 |        |        | HR574 (Lo-16bits)              |
| HR576            | MEAS2:I <sup>2</sup> L2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR577            |                                 |        |        | HR576 (Lo-16bits)              |
| HR578            | MEAS2:I <sup>2</sup> L2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR579            |                                 |        |        | HR578 (Lo-16bits)              |
| HR580            | MEAS2:I <sup>2</sup> L2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR581            |                                 |        |        | HR580 (Lo-16bits)              |
| HR582            | MEAS2:I <sup>2</sup> L2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR583            |                                 |        |        | HR582 (Lo-16bits)              |
| HR584            | MEAS2:I <sup>2</sup> L2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR585            |                                 |        |        | HR584 (Lo-16bits)              |
| HR586            | MEAS2:I <sup>2</sup> L2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR587            |                                 |        |        | HR586 (Lo-16bits)              |
| HR588            | MEAS2:I <sup>2</sup> L2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR589            |                                 |        |        | HR588 (Lo-16bits)              |
| HR590            | MEAS2:I <sup>2</sup> L2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR591            |                                 |        |        | HR590 (Lo-16bits)              |
| HR592            | MEAS2:I <sup>2</sup> L2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR593            |                                 |        |        | HR592 (Lo-16bits)              |
| HR594            | MEAS2:I <sup>2</sup> L2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR595            |                                 |        |        | HR594 (Lo-16bits)              |
| HR596            | MEAS2:I <sup>2</sup> L2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR597            |                                 |        |        | HR596 (Lo-16bits)              |
| HR598            | MEAS2:I <sup>2</sup> L2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR599            |                                 |        |        | HR598 (Lo-16bits)              |
| HR600            | MEAS2:I <sup>2</sup> L2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                       | Access | Length |                                |
|------------------|---------------------------------|--------|--------|--------------------------------|
| HR601            |                                 |        |        | HR600 (Lo-16bits)              |
| HR602            | MEAS2:I <sup>L</sup> L2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR603            |                                 |        |        | HR602 (Lo-16bits)              |
| HR604            | MEAS2:I <sup>L</sup> L2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR605            |                                 |        |        | HR604 (Lo-16bits)              |
| HR606            | MEAS2:I <sup>L</sup> L2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR607            |                                 |        |        | HR606 (Lo-16bits)              |
| HR608            | MEAS2:I <sup>L</sup> L2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR609            |                                 |        |        | HR608 (Lo-16bits)              |
| HR610            | MEAS2:I <sup>L</sup> L2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR611            |                                 |        |        | HR610 (Lo-16bits)              |
| HR612            | MEAS2:I <sup>L</sup> L2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR613            |                                 |        |        | HR612 (Lo-16bits)              |
| HR614            | MEAS2:I <sup>L</sup> L2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR615            |                                 |        |        | HR614 (Lo-16bits)              |
| HR616            | MEAS2:I <sup>L</sup> L2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR617            |                                 |        |        | HR616 (Lo-16bits)              |
| HR618            | MEAS2:I <sup>L</sup> L2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR619            |                                 |        |        | HR618 (Lo-16bits)              |
| HR620            | MEAS2:I <sup>L</sup> L2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR621            |                                 |        |        | HR620 (Lo-16bits)              |
| HR622            | MEAS2:I <sup>L</sup> L2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR623            |                                 |        |        | HR622 (Lo-16bits)              |
| HR624            | MEAS2:I <sup>L</sup> L3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR625            |                                 |        |        | HR624 (Lo-16bits)              |
| HR626            | MEAS2:I <sup>L</sup> L3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR627            |                                 |        |        | HR626 (Lo-16bits)              |
| HR628            | MEAS2:I <sup>L</sup> L3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR629            |                                 |        |        | HR628 (Lo-16bits)              |
| HR630            | MEAS2:I <sup>L</sup> L3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                       | Access | Length |                                |
|------------------|---------------------------------|--------|--------|--------------------------------|
| HR631            |                                 |        |        | HR630 (Lo-16bits)              |
| HR632            | MEAS2:I <sup>3</sup> L3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR633            |                                 |        |        | HR632 (Lo-16bits)              |
| HR634            | MEAS2:I <sup>3</sup> L3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR635            |                                 |        |        | HR634 (Lo-16bits)              |
| HR636            | MEAS2:I <sup>3</sup> L3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR637            |                                 |        |        | HR636 (Lo-16bits)              |
| HR638            | MEAS2:I <sup>3</sup> L3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR639            |                                 |        |        | HR638 (Lo-16bits)              |
| HR640            | MEAS2:I <sup>3</sup> L3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR641            |                                 |        |        | HR640 (Lo-16bits)              |
| HR642            | MEAS2:I <sup>3</sup> L3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR643            |                                 |        |        | HR642 (Lo-16bits)              |
| HR644            | MEAS2:I <sup>3</sup> L3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR645            |                                 |        |        | HR644 (Lo-16bits)              |
| HR646            | MEAS2:I <sup>3</sup> L3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR647            |                                 |        |        | HR646 (Lo-16bits)              |
| HR648            | MEAS2:I <sup>3</sup> L3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR649            |                                 |        |        | HR648 (Lo-16bits)              |
| HR650            | MEAS2:I <sup>3</sup> L3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR651            |                                 |        |        | HR650 (Lo-16bits)              |
| HR652            | MEAS2:I <sup>3</sup> L3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR653            |                                 |        |        | HR652 (Lo-16bits)              |
| HR654            | MEAS2:I <sup>3</sup> L3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR655            |                                 |        |        | HR654 (Lo-16bits)              |
| HR656            | MEAS2:I <sup>3</sup> L3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR657            |                                 |        |        | HR656 (Lo-16bits)              |
| HR658            | MEAS2:I <sup>3</sup> L3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR659            |                                 |        |        | HR658 (Lo-16bits)              |
| HR660            | MEAS2:I <sup>3</sup> L3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR661            |                    |        |        | HR660 (Lo-16bits)              |
| HR662            | MEAS2:I"L3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR663            |                    |        |        | HR662 (Lo-16bits)              |
| HR664            | MEAS2:I"L3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR665            |                    |        |        | HR664 (Lo-16bits)              |
| HR666            | MEAS2:I"L3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR667            |                    |        |        | HR666 (Lo-16bits)              |
| HR668            | MEAS2:I"L3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR669            |                    |        |        | HR668 (Lo-16bits)              |
| HR670            | MEAS2:I"L3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR671            |                    |        |        | HR670 (Lo-16bits)              |
| HR672            | MEAS2:I"L3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR673            |                    |        |        | HR672 (Lo-16bits)              |
| HR674            | MEAS2:I"L3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR675            |                    |        |        | HR674 (Lo-16bits)              |
| HR676            | MEAS2:I"L3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR677            |                    |        |        | HR676 (Lo-16bits)              |
| HR678            | MEAS2:I"L3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR679            |                    |        |        | HR678 (Lo-16bits)              |
| HR680            | MEAS2:I"L3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR681            |                    |        |        | HR680 (Lo-16bits)              |
| HR682            | MEAS2:I"L3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR683            |                    |        |        | HR682 (Lo-16bits)              |
| HR684            | MEAS2:I"L3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR685            |                    |        |        | HR684 (Lo-16bits)              |
| HR686            | MEAS2:I"01 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR687            |                    |        |        | HR686 (Lo-16bits)              |
| HR688            | MEAS2:I"01 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR689            |                    |        |        | HR688 (Lo-16bits)              |
| HR690            | MEAS2:I"01 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |



| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR691            |                    |        |        | HR690 (Lo-16bits)              |
| HR692            | MEAS2:I"01 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR693            |                    |        |        | HR692 (Lo-16bits)              |
| HR694            | MEAS2:I"01 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR695            |                    |        |        | HR694 (Lo-16bits)              |
| HR696            | MEAS2:I"01 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR697            |                    |        |        | HR696 (Lo-16bits)              |
| HR698            | MEAS2:I"01 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR699            |                    |        |        | HR698 (Lo-16bits)              |
| HR700            | MEAS2:I"01 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR701            |                    |        |        | HR700 (Lo-16bits)              |
| HR702            | MEAS2:I"01 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR703            |                    |        |        | HR702 (Lo-16bits)              |
| HR704            | MEAS2:I"01 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR705            |                    |        |        | HR704 (Lo-16bits)              |
| HR706            | MEAS2:I"01 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR707            |                    |        |        | HR706 (Lo-16bits)              |
| HR708            | MEAS2:I"01 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR709            |                    |        |        | HR708 (Lo-16bits)              |
| HR710            | MEAS2:I"01 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR711            |                    |        |        | HR710 (Lo-16bits)              |
| HR712            | MEAS2:I"01 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR713            |                    |        |        | HR712 (Lo-16bits)              |
| HR714            | MEAS2:I"01 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR715            |                    |        |        | HR714 (Lo-16bits)              |
| HR716            | MEAS2:I"01 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR717            |                    |        |        | HR716 (Lo-16bits)              |
| HR718            | MEAS2:I"01 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR719            |                    |        |        | HR718 (Lo-16bits)              |
| HR720            | MEAS2:I"01 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR721            |                    |        |        | HR720 (Lo-16bits)              |
| HR722            | MEAS2:I"01 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR723            |                    |        |        | HR722 (Lo-16bits)              |
| HR724            | MEAS2:I"01 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR725            |                    |        |        | HR724 (Lo-16bits)              |
| HR726            | MEAS2:I"01 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR727            |                    |        |        | HR726 (Lo-16bits)              |
| HR728            | MEAS2:I"01 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR729            |                    |        |        | HR728 (Lo-16bits)              |
| HR730            | MEAS2:I"01 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR731            |                    |        |        | HR730 (Lo-16bits)              |
| HR732            | MEAS2:I"01 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR733            |                    |        |        | HR732 (Lo-16bits)              |
| HR734            | MEAS2:I"01 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR735            |                    |        |        | HR734 (Lo-16bits)              |
| HR736            | MEAS2:I"01 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR737            |                    |        |        | HR736 (Lo-16bits)              |
| HR738            | MEAS2:I"01 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR739            |                    |        |        | HR738 (Lo-16bits)              |
| HR740            | MEAS2:I"01 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR741            |                    |        |        | HR740 (Lo-16bits)              |
| HR742            | MEAS2:I"01 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR743            |                    |        |        | HR742 (Lo-16bits)              |
| HR744            | MEAS2:I"01 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR745            |                    |        |        | HR744 (Lo-16bits)              |
| HR746            | MEAS2:I"01 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR747            |                    |        |        | HR746 (Lo-16bits)              |
| HR748            | MEAS2:I"02 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR749            |                    |        |        | HR748 (Lo-16bits)              |
| HR750            | MEAS2:I"02 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR751            |                    |        |        | HR750 (Lo-16bits)              |
| HR752            | MEAS2:I"02 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR753            |                    |        |        | HR752 (Lo-16bits)              |
| HR754            | MEAS2:I"02 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR755            |                    |        |        | HR754 (Lo-16bits)              |
| HR756            | MEAS2:I"02 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR757            |                    |        |        | HR756 (Lo-16bits)              |
| HR758            | MEAS2:I"02 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR759            |                    |        |        | HR758 (Lo-16bits)              |
| HR760            | MEAS2:I"02 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR761            |                    |        |        | HR760 (Lo-16bits)              |
| HR762            | MEAS2:I"02 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR763            |                    |        |        | HR762 (Lo-16bits)              |
| HR764            | MEAS2:I"02 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR765            |                    |        |        | HR764 (Lo-16bits)              |
| HR766            | MEAS2:I"02 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR767            |                    |        |        | HR766 (Lo-16bits)              |
| HR768            | MEAS2:I"02 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR769            |                    |        |        | HR768 (Lo-16bits)              |
| HR770            | MEAS2:I"02 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR771            |                    |        |        | HR770 (Lo-16bits)              |
| HR772            | MEAS2:I"02 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR773            |                    |        |        | HR772 (Lo-16bits)              |
| HR774            | MEAS2:I"02 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR775            |                    |        |        | HR774 (Lo-16bits)              |
| HR776            | MEAS2:I"02 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR777            |                    |        |        | HR776 (Lo-16bits)              |
| HR778            | MEAS2:I"02 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR779            |                    |        |        | HR778 (Lo-16bits)              |
| HR780            | MEAS2:I"02 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                                |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR781            |                         |        |        | HR780 (Lo-16bits)              |
| HR782            | MEAS2:I"02 18.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR783            |                         |        |        | HR782 (Lo-16bits)              |
| HR784            | MEAS2:I"02 19.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR785            |                         |        |        | HR784 (Lo-16bits)              |
| HR786            | MEAS2:I"02 20.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR787            |                         |        |        | HR786 (Lo-16bits)              |
| HR788            | MEAS2:I"02 21.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR789            |                         |        |        | HR788 (Lo-16bits)              |
| HR790            | MEAS2:I"02 22.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR791            |                         |        |        | HR790 (Lo-16bits)              |
| HR792            | MEAS2:I"02 23.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR793            |                         |        |        | HR792 (Lo-16bits)              |
| HR794            | MEAS2:I"02 24.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR795            |                         |        |        | HR794 (Lo-16bits)              |
| HR796            | MEAS2:I"02 25.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR797            |                         |        |        | HR796 (Lo-16bits)              |
| HR798            | MEAS2:I"02 26.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR799            |                         |        |        | HR798 (Lo-16bits)              |
| HR800            | MEAS2:I"02 27.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR801            |                         |        |        | HR800 (Lo-16bits)              |
| HR802            | MEAS2:I"02 28.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR803            |                         |        |        | HR802 (Lo-16bits)              |
| HR804            | MEAS2:I"02 29.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR805            |                         |        |        | HR804 (Lo-16bits)              |
| HR806            | MEAS2:I"02 30.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR807            |                         |        |        | HR806 (Lo-16bits)              |
| HR808            | MEAS2:I"02 31.harm      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR809            |                         |        |        | HR808 (Lo-16bits)              |
| HR810            | MEAS2:MEAS2 IL ang. Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |

| Holding Register | Parameter            | Access | Length |                                 |
|------------------|----------------------|--------|--------|---------------------------------|
| HR811            |                      |        |        | HR810 (Lo-16bits)               |
| HR812            | MEAS3:U1Volt pri     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR813            |                      |        |        | HR812 (Lo-16bits)               |
| HR814            | MEAS3:U1Volt sec     | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR815            |                      |        |        | HR814 (Lo-16bits)               |
| HR816            | MEAS3:U2Volt pri     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR817            |                      |        |        | HR816 (Lo-16bits)               |
| HR818            | MEAS3:U2Volt sec     | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR819            |                      |        |        | HR818 (Lo-16bits)               |
| HR820            | MEAS3:U3Volt pri     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR821            |                      |        |        | HR820 (Lo-16bits)               |
| HR822            | MEAS3:U3Volt sec     | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR823            |                      |        |        | HR822 (Lo-16bits)               |
| HR824            | MEAS3:U4Volt pri     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR825            |                      |        |        | HR824 (Lo-16bits)               |
| HR826            | MEAS3:U4Volt sec     | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR827            |                      |        |        | HR826 (Lo-16bits)               |
| HR828            | MEAS3:U1 Volt pri ff | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR829            |                      |        |        | HR828 (Lo-16bits)               |
| HR830            | MEAS3:U1 Volt sec ff | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR831            |                      |        |        | HR830 (Lo-16bits)               |
| HR832            | MEAS3:U1 Angle ff    | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR833            |                      |        |        | HR832 (Lo-16bits)               |
| HR834            | MEAS3:U2 Volt pri ff | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR835            |                      |        |        | HR834 (Lo-16bits)               |
| HR836            | MEAS3:U2 Volt sec ff | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR837            |                      |        |        | HR836 (Lo-16bits)               |
| HR838            | MEAS3:U2 Angle ff    | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR839            |                      |        |        | HR838 (Lo-16bits)               |
| HR840            | MEAS3:U3 Volt pri ff | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |

| Holding Register | Parameter            | Access | Length |                                 |
|------------------|----------------------|--------|--------|---------------------------------|
| HR841            |                      |        |        | HR840 (Lo-16bits)               |
| HR842            | MEAS3:U3 Volt sec ff | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR843            |                      |        |        | HR842 (Lo-16bits)               |
| HR844            | MEAS3:U3 Angle ff    | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR845            |                      |        |        | HR844 (Lo-16bits)               |
| HR846            | MEAS3:U4 Volt pri ff | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR847            |                      |        |        | HR846 (Lo-16bits)               |
| HR848            | MEAS3:U4 Volt sec ff | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR849            |                      |        |        | HR848 (Lo-16bits)               |
| HR850            | MEAS3:U4 Angle ff    | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR851            |                      |        |        | HR850 (Lo-16bits)               |
| HR852            | MEAS3:U1 Volt pri 3h | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR853            |                      |        |        | HR852 (Lo-16bits)               |
| HR854            | MEAS3:U1 Volt sec 3h | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR855            |                      |        |        | HR854 (Lo-16bits)               |
| HR856            | MEAS3:U1 Angle 3h    | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR857            |                      |        |        | HR856 (Lo-16bits)               |
| HR858            | MEAS3:U2 Volt pri 3h | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR859            |                      |        |        | HR858 (Lo-16bits)               |
| HR860            | MEAS3:U2 Volt sec 3h | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR861            |                      |        |        | HR860 (Lo-16bits)               |
| HR862            | MEAS3:U2 Angle 3h    | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR863            |                      |        |        | HR862 (Lo-16bits)               |
| HR864            | MEAS3:U3 Volt pri 3h | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR865            |                      |        |        | HR864 (Lo-16bits)               |
| HR866            | MEAS3:U3 Volt sec 3h | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR867            |                      |        |        | HR866 (Lo-16bits)               |
| HR868            | MEAS3:U3 Angle 3h    | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR869            |                      |        |        | HR868 (Lo-16bits)               |
| HR870            | MEAS3:U4 Volt pri 3h | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                                 |
|------------------|-------------------------|--------|--------|---------------------------------|
| HR871            |                         |        |        | HR870 (Lo-16bits)               |
| HR872            | MEAS3:U4 Volt sec 3h    | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR873            |                         |        |        | HR872 (Lo-16bits)               |
| HR874            | MEAS3:U4 Angle 3h       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR875            |                         |        |        | HR874 (Lo-16bits)               |
| HR876            | MEAS3:U1Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR877            |                         |        |        | HR876 (Lo-16bits)               |
| HR878            | MEAS3:U1Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR879            |                         |        |        | HR878 (Lo-16bits)               |
| HR880            | MEAS3:U2Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR881            |                         |        |        | HR880 (Lo-16bits)               |
| HR882            | MEAS3:U2Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR883            |                         |        |        | HR882 (Lo-16bits)               |
| HR884            | MEAS3:U3Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR885            |                         |        |        | HR884 (Lo-16bits)               |
| HR886            | MEAS3:U3Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR887            |                         |        |        | HR886 (Lo-16bits)               |
| HR888            | MEAS3:U4Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR889            |                         |        |        | HR888 (Lo-16bits)               |
| HR890            | MEAS3:U4Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR891            |                         |        |        | HR890 (Lo-16bits)               |
| HR892            | MEAS3:Pos.seq.Volt.pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR893            |                         |        |        | HR892 (Lo-16bits)               |
| HR894            | MEAS3:Pos.seq.Volt.sec  | R      | 2      | FLOAT [0...480] (Hi-16bits)     |
| HR895            |                         |        |        | HR894 (Lo-16bits)               |
| HR896            | MEAS3:Neg.seq.Volt.pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR897            |                         |        |        | HR896 (Lo-16bits)               |
| HR898            | MEAS3:Neg.seq.Volt.sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR899            |                         |        |        | HR898 (Lo-16bits)               |
| HR900            | MEAS3:Zero.seq.Volt.pri | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |

| Holding Register | Parameter                      | Access | Length |                                 |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR901            |                                |        |        | HR900 (Lo-16bits)               |
| HR902            | MEAS3:Zero.seq.Volt.sec        | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR903            |                                |        |        | HR902 (Lo-16bits)               |
| HR904            | MEAS3:U0 Calc. pri             | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR905            |                                |        |        | HR904 (Lo-16bits)               |
| HR906            | MEAS3:U0 Calc.Volt sec         | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR907            |                                |        |        | HR906 (Lo-16bits)               |
| HR908            | MEAS3:U1 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR909            |                                |        |        | HR908 (Lo-16bits)               |
| HR910            | MEAS3:U2 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR911            |                                |        |        | HR910 (Lo-16bits)               |
| HR912            | MEAS3:U3 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR913            |                                |        |        | HR912 (Lo-16bits)               |
| HR914            | MEAS3:U4 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR915            |                                |        |        | HR914 (Lo-16bits)               |
| HR916            | MEAS3:Pos.Seq.volt.Angle       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR917            |                                |        |        | HR916 (Lo-16bits)               |
| HR918            | MEAS3:Neg.Seq.volt.Angle       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR919            |                                |        |        | HR918 (Lo-16bits)               |
| HR920            | MEAS3:Zero.Seq.volt.Angle      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR921            |                                |        |        | HR920 (Lo-16bits)               |
| HR922            | MEAS3:System volt UL12 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR923            |                                |        |        | HR922 (Lo-16bits)               |
| HR924            | MEAS3:System volt UL12 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR925            |                                |        |        | HR924 (Lo-16bits)               |
| HR926            | MEAS3:System volt UL12 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR927            |                                |        |        | HR926 (Lo-16bits)               |
| HR928            | MEAS3:System volt UL23 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |



| Holding Register | Parameter                      | Access | Length |                                 |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR929            |                                |        |        | HR928 (Lo-16bits)               |
| HR930            | MEAS3:System volt UL23 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR931            |                                |        |        | HR930 (Lo-16bits)               |
| HR932            | MEAS3:System volt UL23 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR933            |                                |        |        | HR932 (Lo-16bits)               |
| HR934            | MEAS3:System volt UL31 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR935            |                                |        |        | HR934 (Lo-16bits)               |
| HR936            | MEAS3:System volt UL31 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR937            |                                |        |        | HR936 (Lo-16bits)               |
| HR938            | MEAS3:System volt UL31 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR939            |                                |        |        | HR938 (Lo-16bits)               |
| HR940            | MEAS3:System volt UL1 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR941            |                                |        |        | HR940 (Lo-16bits)               |
| HR942            | MEAS3:System volt UL1 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR943            |                                |        |        | HR942 (Lo-16bits)               |
| HR944            | MEAS3:System volt UL1 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR945            |                                |        |        | HR944 (Lo-16bits)               |
| HR946            | MEAS3:System volt UL2 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR947            |                                |        |        | HR946 (Lo-16bits)               |
| HR948            | MEAS3:System volt UL2 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR949            |                                |        |        | HR948 (Lo-16bits)               |
| HR950            | MEAS3:System volt UL2 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR951            |                                |        |        | HR950 (Lo-16bits)               |
| HR952            | MEAS3:System volt UL3 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                                 |
|------------------|-------------------------------|--------|--------|---------------------------------|
| HR953            |                               |        |        | HR952 (Lo-16bits)               |
| HR954            | MEAS3:System volt UL3 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR955            |                               |        |        | HR954 (Lo-16bits)               |
| HR956            | MEAS3:System volt UL3 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR957            |                               |        |        | HR956 (Lo-16bits)               |
| HR958            | MEAS3:System volt U0 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR959            |                               |        |        | HR958 (Lo-16bits)               |
| HR960            | MEAS3:System volt U0 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR961            |                               |        |        | HR960 (Lo-16bits)               |
| HR962            | MEAS3:System volt U0 mag(%)   | R      | 2      | FLOAT [0...120] (Hi-16bits)     |
| HR963            |                               |        |        | HR962 (Lo-16bits)               |
| HR964            | MEAS3:System volt U0 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR965            |                               |        |        | HR964 (Lo-16bits)               |
| HR966            | MEAS3:System volt U3 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR967            |                               |        |        | HR966 (Lo-16bits)               |
| HR968            | MEAS3:System volt U3 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR969            |                               |        |        | HR968 (Lo-16bits)               |
| HR970            | MEAS3:System volt U3 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR971            |                               |        |        | HR970 (Lo-16bits)               |
| HR972            | MEAS3:System volt U4 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR973            |                               |        |        | HR972 (Lo-16bits)               |
| HR974            | MEAS3:System volt U4 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR975            |                               |        |        | HR974 (Lo-16bits)               |
| HR976            | MEAS3:System volt U4 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR977            |                               |        |        | HR976 (Lo-16bits)               |

| Holding Register | Parameter                     | Access | Length |                                |
|------------------|-------------------------------|--------|--------|--------------------------------|
| HR978            | MEAS3:System volt UL1 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR979            |                               |        |        | HR978 (Lo-16bits)              |
| HR980            | MEAS3:System volt UL2 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR981            |                               |        |        | HR980 (Lo-16bits)              |
| HR982            | MEAS3:System volt UL3 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR983            |                               |        |        | HR982 (Lo-16bits)              |
| HR984            | MEAS3:U1 Fund                 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR985            |                               |        |        | HR984 (Lo-16bits)              |
| HR986            | MEAS3:U1 2.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR987            |                               |        |        | HR986 (Lo-16bits)              |
| HR988            | MEAS3:U1 3.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR989            |                               |        |        | HR988 (Lo-16bits)              |
| HR990            | MEAS3:U1 4.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR991            |                               |        |        | HR990 (Lo-16bits)              |
| HR992            | MEAS3:U1 5.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR993            |                               |        |        | HR992 (Lo-16bits)              |
| HR994            | MEAS3:U1 6.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR995            |                               |        |        | HR994 (Lo-16bits)              |
| HR996            | MEAS3:U1 7.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR997            |                               |        |        | HR996 (Lo-16bits)              |
| HR998            | MEAS3:U1 8.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR999            |                               |        |        | HR998 (Lo-16bits)              |
| HR1000           | MEAS3:U1 9.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1001           |                               |        |        | HR1000 (Lo-16bits)             |
| HR1002           | MEAS3:U1 10.harm              | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1003           |                               |        |        | HR1002 (Lo-16bits)             |
| HR1004           | MEAS3:U1 11.harm              | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1005           |                               |        |        | HR1004 (Lo-16bits)             |
| HR1006           | MEAS3:U1 12.harm              | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1007           |                  |        |        | HR1006 (Lo-16bits)             |
| HR1008           | MEAS3:U1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1009           |                  |        |        | HR1008 (Lo-16bits)             |
| HR1010           | MEAS3:U1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1011           |                  |        |        | HR1010 (Lo-16bits)             |
| HR1012           | MEAS3:U1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1013           |                  |        |        | HR1012 (Lo-16bits)             |
| HR1014           | MEAS3:U1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1015           |                  |        |        | HR1014 (Lo-16bits)             |
| HR1016           | MEAS3:U1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1017           |                  |        |        | HR1016 (Lo-16bits)             |
| HR1018           | MEAS3:U1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1019           |                  |        |        | HR1018 (Lo-16bits)             |
| HR1020           | MEAS3:U1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1021           |                  |        |        | HR1020 (Lo-16bits)             |
| HR1022           | MEAS3:U1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1023           |                  |        |        | HR1022 (Lo-16bits)             |
| HR1024           | MEAS3:U1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1025           |                  |        |        | HR1024 (Lo-16bits)             |
| HR1026           | MEAS3:U1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1027           |                  |        |        | HR1026 (Lo-16bits)             |
| HR1028           | MEAS3:U1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1029           |                  |        |        | HR1028 (Lo-16bits)             |
| HR1030           | MEAS3:U1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1031           |                  |        |        | HR1030 (Lo-16bits)             |
| HR1032           | MEAS3:U1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1033           |                  |        |        | HR1032 (Lo-16bits)             |
| HR1034           | MEAS3:U1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1035           |                  |        |        | HR1034 (Lo-16bits)             |
| HR1036           | MEAS3:U1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1037           |                  |        |        | HR1036 (Lo-16bits)             |
| HR1038           | MEAS3:U1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1039           |                  |        |        | HR1038 (Lo-16bits)             |
| HR1040           | MEAS3:U1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1041           |                  |        |        | HR1040 (Lo-16bits)             |
| HR1042           | MEAS3:U1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1043           |                  |        |        | HR1042 (Lo-16bits)             |
| HR1044           | MEAS3:U1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1045           |                  |        |        | HR1044 (Lo-16bits)             |
| HR1046           | MEAS3:U2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1047           |                  |        |        | HR1046 (Lo-16bits)             |
| HR1048           | MEAS3:U2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1049           |                  |        |        | HR1048 (Lo-16bits)             |
| HR1050           | MEAS3:U2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1051           |                  |        |        | HR1050 (Lo-16bits)             |
| HR1052           | MEAS3:U2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1053           |                  |        |        | HR1052 (Lo-16bits)             |
| HR1054           | MEAS3:U2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1055           |                  |        |        | HR1054 (Lo-16bits)             |
| HR1056           | MEAS3:U2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1057           |                  |        |        | HR1056 (Lo-16bits)             |
| HR1058           | MEAS3:U2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1059           |                  |        |        | HR1058 (Lo-16bits)             |
| HR1060           | MEAS3:U2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1061           |                  |        |        | HR1060 (Lo-16bits)             |
| HR1062           | MEAS3:U2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1063           |                  |        |        | HR1062 (Lo-16bits)             |
| HR1064           | MEAS3:U2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1065           |                  |        |        | HR1064 (Lo-16bits)             |
| HR1066           | MEAS3:U2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1067           |                  |        |        | HR1066 (Lo-16bits)             |
| HR1068           | MEAS3:U2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1069           |                  |        |        | HR1068 (Lo-16bits)             |
| HR1070           | MEAS3:U2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1071           |                  |        |        | HR1070 (Lo-16bits)             |
| HR1072           | MEAS3:U2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1073           |                  |        |        | HR1072 (Lo-16bits)             |
| HR1074           | MEAS3:U2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1075           |                  |        |        | HR1074 (Lo-16bits)             |
| HR1076           | MEAS3:U2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1077           |                  |        |        | HR1076 (Lo-16bits)             |
| HR1078           | MEAS3:U2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1079           |                  |        |        | HR1078 (Lo-16bits)             |
| HR1080           | MEAS3:U2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1081           |                  |        |        | HR1080 (Lo-16bits)             |
| HR1082           | MEAS3:U2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1083           |                  |        |        | HR1082 (Lo-16bits)             |
| HR1084           | MEAS3:U2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1085           |                  |        |        | HR1084 (Lo-16bits)             |
| HR1086           | MEAS3:U2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1087           |                  |        |        | HR1086 (Lo-16bits)             |
| HR1088           | MEAS3:U2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1089           |                  |        |        | HR1088 (Lo-16bits)             |
| HR1090           | MEAS3:U2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1091           |                  |        |        | HR1090 (Lo-16bits)             |
| HR1092           | MEAS3:U2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1093           |                  |        |        | HR1092 (Lo-16bits)             |
| HR1094           | MEAS3:U2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1095           |                  |        |        | HR1094 (Lo-16bits)             |
| HR1096           | MEAS3:U2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1097           |                  |        |        | HR1096 (Lo-16bits)             |
| HR1098           | MEAS3:U2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1099           |                  |        |        | HR1098 (Lo-16bits)             |
| HR1100           | MEAS3:U2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1101           |                  |        |        | HR1100 (Lo-16bits)             |
| HR1102           | MEAS3:U2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1103           |                  |        |        | HR1102 (Lo-16bits)             |
| HR1104           | MEAS3:U2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1105           |                  |        |        | HR1104 (Lo-16bits)             |
| HR1106           | MEAS3:U2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1107           |                  |        |        | HR1106 (Lo-16bits)             |
| HR1108           | MEAS3:U3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1109           |                  |        |        | HR1108 (Lo-16bits)             |
| HR1110           | MEAS3:U3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1111           |                  |        |        | HR1110 (Lo-16bits)             |
| HR1112           | MEAS3:U3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1113           |                  |        |        | HR1112 (Lo-16bits)             |
| HR1114           | MEAS3:U3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1115           |                  |        |        | HR1114 (Lo-16bits)             |
| HR1116           | MEAS3:U3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1117           |                  |        |        | HR1116 (Lo-16bits)             |
| HR1118           | MEAS3:U3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1119           |                  |        |        | HR1118 (Lo-16bits)             |
| HR1120           | MEAS3:U3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1121           |                  |        |        | HR1120 (Lo-16bits)             |
| HR1122           | MEAS3:U3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1123           |                  |        |        | HR1122 (Lo-16bits)             |
| HR1124           | MEAS3:U3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1125           |                  |        |        | HR1124 (Lo-16bits)             |
| HR1126           | MEAS3:U3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1127           |                  |        |        | HR1126 (Lo-16bits)             |
| HR1128           | MEAS3:U3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1129           |                  |        |        | HR1128 (Lo-16bits)             |
| HR1130           | MEAS3:U3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1131           |                  |        |        | HR1130 (Lo-16bits)             |
| HR1132           | MEAS3:U3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1133           |                  |        |        | HR1132 (Lo-16bits)             |
| HR1134           | MEAS3:U3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1135           |                  |        |        | HR1134 (Lo-16bits)             |
| HR1136           | MEAS3:U3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1137           |                  |        |        | HR1136 (Lo-16bits)             |
| HR1138           | MEAS3:U3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1139           |                  |        |        | HR1138 (Lo-16bits)             |
| HR1140           | MEAS3:U3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1141           |                  |        |        | HR1140 (Lo-16bits)             |
| HR1142           | MEAS3:U3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1143           |                  |        |        | HR1142 (Lo-16bits)             |
| HR1144           | MEAS3:U3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1145           |                  |        |        | HR1144 (Lo-16bits)             |
| HR1146           | MEAS3:U3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1147           |                  |        |        | HR1146 (Lo-16bits)             |
| HR1148           | MEAS3:U3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1149           |                  |        |        | HR1148 (Lo-16bits)             |
| HR1150           | MEAS3:U3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1151           |                  |        |        | HR1150 (Lo-16bits)             |
| HR1152           | MEAS3:U3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1153           |                  |        |        | HR1152 (Lo-16bits)             |
| HR1154           | MEAS3:U3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1155           |                  |        |        | HR1154 (Lo-16bits)             |
| HR1156           | MEAS3:U3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |



| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1157           |                  |        |        | HR1156 (Lo-16bits)             |
| HR1158           | MEAS3:U3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1159           |                  |        |        | HR1158 (Lo-16bits)             |
| HR1160           | MEAS3:U3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1161           |                  |        |        | HR1160 (Lo-16bits)             |
| HR1162           | MEAS3:U3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1163           |                  |        |        | HR1162 (Lo-16bits)             |
| HR1164           | MEAS3:U3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1165           |                  |        |        | HR1164 (Lo-16bits)             |
| HR1166           | MEAS3:U3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1167           |                  |        |        | HR1166 (Lo-16bits)             |
| HR1168           | MEAS3:U3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1169           |                  |        |        | HR1168 (Lo-16bits)             |
| HR1170           | MEAS3:U4 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1171           |                  |        |        | HR1170 (Lo-16bits)             |
| HR1172           | MEAS3:U4 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1173           |                  |        |        | HR1172 (Lo-16bits)             |
| HR1174           | MEAS3:U4 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1175           |                  |        |        | HR1174 (Lo-16bits)             |
| HR1176           | MEAS3:U4 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1177           |                  |        |        | HR1176 (Lo-16bits)             |
| HR1178           | MEAS3:U4 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1179           |                  |        |        | HR1178 (Lo-16bits)             |
| HR1180           | MEAS3:U4 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1181           |                  |        |        | HR1180 (Lo-16bits)             |
| HR1182           | MEAS3:U4 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1183           |                  |        |        | HR1182 (Lo-16bits)             |
| HR1184           | MEAS3:U4 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1185           |                  |        |        | HR1184 (Lo-16bits)             |
| HR1186           | MEAS3:U4 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1187           |                  |        |        | HR1186 (Lo-16bits)             |
| HR1188           | MEAS3:U4 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1189           |                  |        |        | HR1188 (Lo-16bits)             |
| HR1190           | MEAS3:U4 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1191           |                  |        |        | HR1190 (Lo-16bits)             |
| HR1192           | MEAS3:U4 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1193           |                  |        |        | HR1192 (Lo-16bits)             |
| HR1194           | MEAS3:U4 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1195           |                  |        |        | HR1194 (Lo-16bits)             |
| HR1196           | MEAS3:U4 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1197           |                  |        |        | HR1196 (Lo-16bits)             |
| HR1198           | MEAS3:U4 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1199           |                  |        |        | HR1198 (Lo-16bits)             |
| HR1200           | MEAS3:U4 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1201           |                  |        |        | HR1200 (Lo-16bits)             |
| HR1202           | MEAS3:U4 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1203           |                  |        |        | HR1202 (Lo-16bits)             |
| HR1204           | MEAS3:U4 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1205           |                  |        |        | HR1204 (Lo-16bits)             |
| HR1206           | MEAS3:U4 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1207           |                  |        |        | HR1206 (Lo-16bits)             |
| HR1208           | MEAS3:U4 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1209           |                  |        |        | HR1208 (Lo-16bits)             |
| HR1210           | MEAS3:U4 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1211           |                  |        |        | HR1210 (Lo-16bits)             |
| HR1212           | MEAS3:U4 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1213           |                  |        |        | HR1212 (Lo-16bits)             |
| HR1214           | MEAS3:U4 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1215           |                  |        |        | HR1214 (Lo-16bits)             |
| HR1216           | MEAS3:U4 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                        | Access | Length |                                      |
|------------------|----------------------------------|--------|--------|--------------------------------------|
| HR1217           |                                  |        |        | HR1216 (Lo-16bits)                   |
| HR1218           | MEAS3:U4 25.harm                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)       |
| HR1219           |                                  |        |        | HR1218 (Lo-16bits)                   |
| HR1220           | MEAS3:U4 26.harm                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)       |
| HR1221           |                                  |        |        | HR1220 (Lo-16bits)                   |
| HR1222           | MEAS3:U4 27.harm                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)       |
| HR1223           |                                  |        |        | HR1222 (Lo-16bits)                   |
| HR1224           | MEAS3:U4 28.harm                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)       |
| HR1225           |                                  |        |        | HR1224 (Lo-16bits)                   |
| HR1226           | MEAS3:U4 29.harm                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)       |
| HR1227           |                                  |        |        | HR1226 (Lo-16bits)                   |
| HR1228           | MEAS3:U4 30.harm                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)       |
| HR1229           |                                  |        |        | HR1228 (Lo-16bits)                   |
| HR1230           | MEAS3:U4 31.harm                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)       |
| HR1231           |                                  |        |        | HR1230 (Lo-16bits)                   |
| HR1232           | IMERX:IL1 Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR1233           |                                  |        |        | HR1232 (Lo-16bits)                   |
| HR1234           | IMERX:IL1 Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR1235           |                                  |        |        | HR1234 (Lo-16bits)                   |
| HR1236           | IMERX:IL2 Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR1237           |                                  |        |        | HR1236 (Lo-16bits)                   |
| HR1238           | IMERX:IL2 Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR1239           |                                  |        |        | HR1238 (Lo-16bits)                   |
| HR1240           | IMERX:IL3 Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR1241           |                                  |        |        | HR1240 (Lo-16bits)                   |
| HR1242           | IMERX:IL3 Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR1243           |                                  |        |        | HR1242 (Lo-16bits)                   |

| Holding Register | Parameter                                 | Access | Length |                                              |
|------------------|-------------------------------------------|--------|--------|----------------------------------------------|
| HR1244           | IMERX:Pos.seq. Resistive Current Pri.     | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR1245           |                                           |        |        | HR1244 (Lo-16bits)                           |
| HR1246           | IMERX:Pos.Seq. Reactive Current Pri.      | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR1247           |                                           |        |        | HR1246 (Lo-16bits)                           |
| HR1248           | IMERX:I01 Residual Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR1249           |                                           |        |        | HR1248 (Lo-16bits)                           |
| HR1250           | IMERX:I01 Residual Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR1251           |                                           |        |        | HR1250 (Lo-16bits)                           |
| HR1252           | IMERX:I02 Residual Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR1253           |                                           |        |        | HR1252 (Lo-16bits)                           |
| HR1254           | IMERX:I02 Residual Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR1255           |                                           |        |        | HR1254 (Lo-16bits)                           |
| HR1256           | IMERX:I01 Residual Resistive Current Sec. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR1257           |                                           |        |        | HR1256 (Lo-16bits)                           |
| HR1258           | IMERX:I01 Residual Reactive Current Sec.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR1259           |                                           |        |        | HR1258 (Lo-16bits)                           |
| HR1260           | IMERX:I02 Residual Resistive Current Sec. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR1261           |                                           |        |        | HR1260 (Lo-16bits)                           |
| HR1262           | IMERX:I02 Residual Reactive Current Sec.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR1263           |                                           |        |        | HR1262 (Lo-16bits)                           |
| HR1264           | POW1:Export Active Energy (P) MWh         | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1265           |                                           |        |        | HR1264 (Lo-16bits)                           |
| HR1266           | POW1:Export Active Energy (P) kWh         | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1267           |                                           |        |        | HR1266 (Lo-16bits)                           |

| Holding Register | Parameter                                               | Access | Length |                                              |
|------------------|---------------------------------------------------------|--------|--------|----------------------------------------------|
| HR1268           | POW1:Import Active Energy (P) MWh                       | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1269           |                                                         |        |        | HR1268 (Lo-16bits)                           |
| HR1270           | POW1:Import Active Energy (P) kWh                       | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1271           |                                                         |        |        | HR1270 (Lo-16bits)                           |
| HR1272           | POW1:Active Energy (P) Export/Import balance MWh        | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1273           |                                                         |        |        | HR1272 (Lo-16bits)                           |
| HR1274           | POW1:Active Energy (P) Export/Import balance kWh        | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1275           |                                                         |        |        | HR1274 (Lo-16bits)                           |
| HR1276           | POW1:Imported (Q) while Export (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1277           |                                                         |        |        | HR1276 (Lo-16bits)                           |
| HR1278           | POW1:Imported (Q) while Export (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1279           |                                                         |        |        | HR1278 (Lo-16bits)                           |
| HR1280           | POW1:Imported (Q) while Import (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1281           |                                                         |        |        | HR1280 (Lo-16bits)                           |
| HR1282           | POW1:Imported (Q) while Import (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1283           |                                                         |        |        | HR1282 (Lo-16bits)                           |
| HR1284           | POW1:Reactive Energy (Q) balance while Import (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1285           |                                                         |        |        | HR1284 (Lo-16bits)                           |
| HR1286           | POW1:Reactive Energy (Q) balance while Import (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1287           |                                                         |        |        | HR1286 (Lo-16bits)                           |
| HR1288           | POW1:Exported (Q) while Export (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1289           |                                                         |        |        | HR1288 (Lo-16bits)                           |
| HR1290           | POW1:Exported (Q) while Export (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |

| Holding Register | Parameter                                               | Access | Length |                                              |
|------------------|---------------------------------------------------------|--------|--------|----------------------------------------------|
| HR1291           |                                                         |        |        | HR1290 (Lo-16bits)                           |
| HR1292           | POW1:Exported (Q) while Import (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1293           |                                                         |        |        | HR1292 (Lo-16bits)                           |
| HR1294           | POW1:Exported (Q) while Import (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1295           |                                                         |        |        | HR1294 (Lo-16bits)                           |
| HR1296           | POW1:Reactive Energy (Q) balance while Export (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1297           |                                                         |        |        | HR1296 (Lo-16bits)                           |
| HR1298           | POW1:Reactive Energy (Q) balance while Export (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1299           |                                                         |        |        | HR1298 (Lo-16bits)                           |
| HR1300           | POW1:Reset 3ph Energies                                 | RW     | 1      | 0=-;1=Reset                                  |
| HR1301           | POW1:POW1 3PH Apparent power (S)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1302           |                                                         |        |        | HR1301 (Lo-16bits)                           |
| HR1303           | POW1:POW1 3PH Apparent power (S MVA)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1304           |                                                         |        |        | HR1303 (Lo-16bits)                           |
| HR1305           | POW1:POW1 3PH Active power (P)                          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1306           |                                                         |        |        | HR1305 (Lo-16bits)                           |
| HR1307           | POW1:POW1 3PH Active power (P MW)                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1308           |                                                         |        |        | HR1307 (Lo-16bits)                           |
| HR1309           | POW1:POW1 3PH Reactive power (Q)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1310           |                                                         |        |        | HR1309 (Lo-16bits)                           |
| HR1311           | POW1:POW1 3PH Reactive power (QMVar)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1312           |                                                         |        |        | HR1311 (Lo-16bits)                           |
| HR1313           | POW1:POW1 3PH Tan(phi)                                  | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1314           |                                                         |        |        | HR1313 (Lo-16bits)                           |

| Holding Register | Parameter                   | Access | Length |                                        |
|------------------|-----------------------------|--------|--------|----------------------------------------|
| HR1315           | POW1:POW1 3PH Cos(phi)      | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1316           |                             |        |        | HR1315 (Lo-16bits)                     |
| HR1317           | POW1:3PH PF                 | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1318           |                             |        |        | HR1317 (Lo-16bits)                     |
| HR1319           | ASC1:Curve1 Input           | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1320           |                             |        |        | HR1319 (Lo-16bits)                     |
| HR1321           | ASC1:Curve1 Output          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1322           |                             |        |        | HR1321 (Lo-16bits)                     |
| HR1323           | ASC1:Curve2 Input           | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1324           |                             |        |        | HR1323 (Lo-16bits)                     |
| HR1325           | ASC1:Curve2 Output          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1326           |                             |        |        | HR1325 (Lo-16bits)                     |
| HR1327           | ASC1:Curve3 Input           | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1328           |                             |        |        | HR1327 (Lo-16bits)                     |
| HR1329           | ASC1:Curve3 Output          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1330           |                             |        |        | HR1329 (Lo-16bits)                     |
| HR1331           | ASC1:Curve4 Input           | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1332           |                             |        |        | HR1331 (Lo-16bits)                     |
| HR1333           | ASC1:Curve4 Output          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1334           |                             |        |        | HR1333 (Lo-16bits)                     |
| HR1335           | FLTREG:Recorded fault value | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1336           |                             |        |        | HR1335 (Lo-16bits)                     |
| HR1337           | FLTREG:Recorded fault value | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1338           |                             |        |        | HR1337 (Lo-16bits)                     |
| HR1339           | FLTREG:Recorded fault value | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1340           |                             |        |        | HR1339 (Lo-16bits)                     |
| HR1341           | FLTREG:Recorded fault value | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1342           |                             |        |        | HR1341 (Lo-16bits)                     |

| Holding Register | Parameter                                                         | Access | Length |                                                                      |
|------------------|-------------------------------------------------------------------|--------|--------|----------------------------------------------------------------------|
| HR1343           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1344           |                                                                   |        |        | HR1343 (Lo-16bits)                                                   |
| HR1345           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1346           |                                                                   |        |        | HR1345 (Lo-16bits)                                                   |
| HR1347           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1348           |                                                                   |        |        | HR1347 (Lo-16bits)                                                   |
| HR1349           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1350           |                                                                   |        |        | HR1349 (Lo-16bits)                                                   |
| HR1351           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1352           |                                                                   |        |        | HR1351 (Lo-16bits)                                                   |
| HR1353           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1354           |                                                                   |        |        | HR1353 (Lo-16bits)                                                   |
| HR1355           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1356           |                                                                   |        |        | HR1355 (Lo-16bits)                                                   |
| HR1357           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1358           |                                                                   |        |        | HR1357 (Lo-16bits)                                                   |
| HR1359           | FREQS:f atm. Protections (when not measurable returns to nominal) | R      | 2      | FLOAT [0...75] (Hi-16bits)                                           |
| HR1360           |                                                                   |        |        | HR1359 (Lo-16bits)                                                   |
| HR1361           | FREQS:f atm. Display (when not measurable is 0Hz)                 | R      | 2      | FLOAT [0...75] (Hi-16bits)                                           |
| HR1362           |                                                                   |        |        | HR1361 (Lo-16bits)                                                   |
| HR1363           | DIGI:Dis 1-32                                                     | R      | 2      | 0b=DI1;1b=DI2;2b=DI3;3b=DI4;4b=DI5;5b=DI6;6b=DI7;7b=DI8; (Hi-16bits) |
| HR1364           |                                                                   |        |        | HR1363 (Lo-16bits)                                                   |
| HR1365           | DIGI:Dis 33-64                                                    | R      | 2      | 0b=DI33;1b=DI34;2b=DI35;3b=DI36;4b=DI37;5b=DI38;6b=DI39; (Hi-16bits) |
| HR1366           |                                                                   |        |        | HR1365 (Lo-16bits)                                                   |



| Holding Register | Parameter                  | Access | Length |                                                                   |
|------------------|----------------------------|--------|--------|-------------------------------------------------------------------|
| HR1367           | RELE:Outputs status        | R      | 2      | 0b=O1;1b=O2;2b=O3;3b=O4;4b=O5;5b=O6;6b=O7;7b=O8;8b=O9             |
| HR1368           |                            |        |        | HR1367 (Lo-16bits)                                                |
| HR1369           | SGS:Active setting group   | R      | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8                   |
| HR1370           | SGS:Force SG               | RW     | 1      | 0=none;1=SG1;2=SG2;3=SG3;4=SG4;5=SG5;6=SG6;7=SG7;8=SG8            |
| HR1371           | SGS:Force SG change        | RW     | 1      | 0=Disabled;1=Enabled                                              |
| HR1372           | SGS:Used setting groups    | RW     | 1      | 0=SG1;1=SG1...2;2=SG1...3;3=SG1...4;4=SG1...5;5=SG1...6;6=SG1...7 |
| HR1373           | SGS:Remote SG change       | RW     | 1      | 0=none;1=SG1;2=SG2;3=SG3;4=SG4;5=SG5;6=SG6;7=SG7;8=SG8            |
| HR1374           | CTRL:Local/Remote status   | R      | 1      | 0=Remote;1=Local                                                  |
| HR1375           | DIAG:Configuration changed | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)                               |
| HR1376           |                            |        |        | HR1375 (Lo-16bits)                                                |
| HR1377           | MBIO:MBIO ModA Ch1 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1378           |                            |        |        | HR1377 (Lo-16bits)                                                |
| HR1379           | MBIO:MBIO ModA Ch2 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1380           |                            |        |        | HR1379 (Lo-16bits)                                                |
| HR1381           | MBIO:MBIO ModA Ch3 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1382           |                            |        |        | HR1381 (Lo-16bits)                                                |
| HR1383           | MBIO:MBIO ModA Ch4 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1384           |                            |        |        | HR1383 (Lo-16bits)                                                |
| HR1385           | MBIO:MBIO ModA Ch5 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1386           |                            |        |        | HR1385 (Lo-16bits)                                                |
| HR1387           | MBIO:MBIO ModA Ch6 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1388           |                            |        |        | HR1387 (Lo-16bits)                                                |
| HR1389           | MBIO:MBIO ModA Ch7 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1390           |                            |        |        | HR1389 (Lo-16bits)                                                |
| HR1391           | MBIO:MBIO ModA Ch8 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1392           |                            |        |        | HR1391 (Lo-16bits)                                                |

| Holding Register | Parameter                  | Access | Length |                                         |
|------------------|----------------------------|--------|--------|-----------------------------------------|
| HR1393           | MBIO:MBIO ModB Ch1 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1394           |                            |        |        | HR1393 (Lo-16bits)                      |
| HR1395           | MBIO:MBIO ModB Ch2 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1396           |                            |        |        | HR1395 (Lo-16bits)                      |
| HR1397           | MBIO:MBIO ModB Ch3 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1398           |                            |        |        | HR1397 (Lo-16bits)                      |
| HR1399           | MBIO:MBIO ModB Ch4 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1400           |                            |        |        | HR1399 (Lo-16bits)                      |
| HR1401           | MBIO:MBIO ModB Ch5 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1402           |                            |        |        | HR1401 (Lo-16bits)                      |
| HR1403           | MBIO:MBIO ModB Ch6 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1404           |                            |        |        | HR1403 (Lo-16bits)                      |
| HR1405           | MBIO:MBIO ModB Ch7 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1406           |                            |        |        | HR1405 (Lo-16bits)                      |
| HR1407           | MBIO:MBIO ModB Ch8 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1408           |                            |        |        | HR1407 (Lo-16bits)                      |
| HR1409           | MBIO:MBIO ModC Ch1 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1410           |                            |        |        | HR1409 (Lo-16bits)                      |
| HR1411           | MBIO:MBIO ModC Ch2 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1412           |                            |        |        | HR1411 (Lo-16bits)                      |
| HR1413           | MBIO:MBIO ModC Ch3 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1414           |                            |        |        | HR1413 (Lo-16bits)                      |
| HR1415           | MBIO:MBIO ModC Ch4 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1416           |                            |        |        | HR1415 (Lo-16bits)                      |

| Holding Register | Parameter                                    | Access | Length |                                                                   |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------|
| HR1417           | MBIO:MBIO ModC Ch5 Invalid                   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1418           |                                              |        |        | HR1417 (Lo-16bits)                                                |
| HR1419           | MBIO:MBIO ModC Ch6 Invalid                   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1420           |                                              |        |        | HR1419 (Lo-16bits)                                                |
| HR1421           | MBIO:MBIO ModC Ch7 Invalid                   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1422           |                                              |        |        | HR1421 (Lo-16bits)                                                |
| HR1423           | MBIO:MBIO ModC Ch8 Invalid                   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                           |
| HR1424           |                                              |        |        | HR1423 (Lo-16bits)                                                |
| HR1425           | LOGIC:Reset Latches                          | RW     | 1      | 0=-;1=Reset                                                       |
| HR1426           | LOGIC1:Logic out 1-32                        | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits)                               |
| HR1427           |                                              |        |        | HR1426 (Lo-16bits)                                                |
| HR1428           | NOC1:I> condition                            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                 |
| HR1429           | NOC1:I> Phases condition                     | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip C |
| HR1430           | NOC1:I> Last fault end with                  | R      | 1      | 0=No Faults;1=Start;2=Trip                                        |
| HR1431           | NOC1:I> Last fault type                      | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                   |
| HR1432           | NOC1:I> Last fault IA current (pri)          | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1433           |                                              |        |        | HR1432 (Lo-16bits)                                                |
| HR1434           | NOC1:I> Last fault IB current (pri)          | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1435           |                                              |        |        | HR1434 (Lo-16bits)                                                |
| HR1436           | NOC1:I> Last fault IC current (pri)          | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1437           |                                              |        |        | HR1436 (Lo-16bits)                                                |
| HR1438           | NOC1:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                      |
| HR1439           |                                              |        |        | HR1438 (Lo-16bits)                                                |
| HR1440           | NOC1:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                       |
| HR1441           | NOC1:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                      |
| HR1442           |                                              |        |        | HR1441 (Lo-16bits)                                                |

| Holding Register | Parameter                            | Access | Length |                                                                 |
|------------------|--------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR1443           | NOC1:Delay curve series              | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR1444           | NOC1:Delay characteristics IEC       | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR1445           | NOC1:Delay char. ANSI/IEEE           | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR1446           | NOC1:Non standard Delay char.        | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR1447           | NOC1:Time dial setting k             | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR1448           |                                      |        |        | HR1447 (Lo-16bits)                                              |
| HR1449           | NOC1:IDMT Const. A                   | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1450           |                                      |        |        | HR1449 (Lo-16bits)                                              |
| HR1451           | NOC1:IDMT Const. B                   | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1452           |                                      |        |        | HR1451 (Lo-16bits)                                              |
| HR1453           | NOC1:IDMT Const. C                   | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1454           |                                      |        |        | HR1453 (Lo-16bits)                                              |
| HR1455           | NOC1:Select SG                       | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR1456           | NOC1:Write settings to selected SG   | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR1457           | NOC2: >> condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1458           | NOC2: >> Phases condition            | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR1459           | NOC2: >> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR1460           | NOC2: >> Last fault type             | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR1461           | NOC2: >> Last fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR1462           |                                      |        |        | HR1461 (Lo-16bits)                                              |
| HR1463           | NOC2: >> Last fault IB current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR1464           |                                      |        |        | HR1463 (Lo-16bits)                                              |
| HR1465           | NOC2: >> Last fault IC current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR1466           |                                      |        |        | HR1465 (Lo-16bits)                                              |
| HR1467           | NOC2:Pick-up setting Iset            | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                    |
| HR1468           |                                      |        |        | HR1467 (Lo-16bits)                                              |

| Holding Register | Parameter                                    | Access | Length |                                                                 |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR1469           | NOC2:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                     |
| HR1470           | NOC2:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                    |
| HR1471           |                                              |        |        | HR1470 (Lo-16bits)                                              |
| HR1472           | NOC2:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR1473           | NOC2:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR1474           | NOC2:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR1475           | NOC2:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR1476           | NOC2:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR1477           |                                              |        |        | HR1476 (Lo-16bits)                                              |
| HR1478           | NOC2:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1479           |                                              |        |        | HR1478 (Lo-16bits)                                              |
| HR1480           | NOC2:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1481           |                                              |        |        | HR1480 (Lo-16bits)                                              |
| HR1482           | NOC2:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1483           |                                              |        |        | HR1482 (Lo-16bits)                                              |
| HR1484           | NOC2:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR1485           | NOC2:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR1486           | NOC3:I>>> condition                          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1487           | NOC3:I>>> Phases condition                   | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR1488           | NOC3:I>>> Last fault end with                | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR1489           | NOC3:I>>> Last fault type                    | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR1490           | NOC3:I>>> Last fault IA current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR1491           |                                              |        |        | HR1490 (Lo-16bits)                                              |
| HR1492           | NOC3:I>>> Last fault IB current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR1493           |                                              |        |        | HR1492 (Lo-16bits)                                              |

| Holding Register | Parameter                                    | Access | Length |                                                                 |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR1494           | NOC3: >>> Last fault IC current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR1495           |                                              |        |        | HR1494 (Lo-16bits)                                              |
| HR1496           | NOC3:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                    |
| HR1497           |                                              |        |        | HR1496 (Lo-16bits)                                              |
| HR1498           | NOC3:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                     |
| HR1499           | NOC3:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                    |
| HR1500           |                                              |        |        | HR1499 (Lo-16bits)                                              |
| HR1501           | NOC3:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR1502           | NOC3:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR1503           | NOC3:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR1504           | NOC3:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR1505           | NOC3:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR1506           |                                              |        |        | HR1505 (Lo-16bits)                                              |
| HR1507           | NOC3:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1508           |                                              |        |        | HR1507 (Lo-16bits)                                              |
| HR1509           | NOC3:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1510           |                                              |        |        | HR1509 (Lo-16bits)                                              |
| HR1511           | NOC3:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1512           |                                              |        |        | HR1511 (Lo-16bits)                                              |
| HR1513           | NOC3:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR1514           | NOC3:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR1515           | NOC4: >>>> condition                         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1516           | NOC4: >>>> Phases condition                  | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR1517           | NOC4: >>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR1518           | NOC4: >>>> Last fault type                   | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR1519           | NOC4: >>>> Last fault IA current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR1520           |                                              |        |        | HR1519 (Lo-16bits)                                          |
| HR1521           | NOC4:I>>>> Last fault IB current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1522           |                                              |        |        | HR1521 (Lo-16bits)                                          |
| HR1523           | NOC4:I>>>> Last fault IC current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1524           |                                              |        |        | HR1523 (Lo-16bits)                                          |
| HR1525           | NOC4:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR1526           |                                              |        |        | HR1525 (Lo-16bits)                                          |
| HR1527           | NOC4:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR1528           | NOC4:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR1529           |                                              |        |        | HR1528 (Lo-16bits)                                          |
| HR1530           | NOC4:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR1531           | NOC4:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR1532           | NOC4:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR1533           | NOC4:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR1534           | NOC4:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR1535           |                                              |        |        | HR1534 (Lo-16bits)                                          |
| HR1536           | NOC4:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1537           |                                              |        |        | HR1536 (Lo-16bits)                                          |
| HR1538           | NOC4:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1539           |                                              |        |        | HR1538 (Lo-16bits)                                          |
| HR1540           | NOC4:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1541           |                                              |        |        | HR1540 (Lo-16bits)                                          |
| HR1542           | NOC4:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR1543           | NOC4:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR1544           | ROC1:Idrw> condition                         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1545           | ROC1:Idrw> Current direction                 | R      | 1      | 0=Undefined;1=Forward;2=Reverse                             |

| Holding Register | Parameter                           | Access | Length |                                                                 |
|------------------|-------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR1546           | ROC2:ldrw>> condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1547           | ROC2:ldrw>> Current direction       | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR1548           | ROC3:ldrw>>> condition              | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1549           | ROC3:ldrw>>> Current direction      | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR1550           | ROC4:ldrw>>>> condition             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1551           | ROC4:ldrw>>>> Current direction     | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR1552           | ROC5:ldrw>>>>> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1553           | ROC5:ldrw>>>>> Current direction    | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR1554           | ROC6:ldrw>>>>>> condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1555           | ROC6:ldrw>>>>>> Current direction   | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR1556           | ROC7:ldrw>>>>>>> condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1557           | ROC7:ldrw>>>>>>> Current direction  | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR1558           | ROC8:ldrw>>>>>>>> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1559           | ROC8:ldrw>>>>>>>> Current direction | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                 |
| HR1560           | ROV1:Urw>/< condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1561           | ROV2:Urw>>/<< condition             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1562           | ROV3:Urw>>>/<<< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1563           | ROV4:Urw>>>>/<<<< condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1564           | UCP1:IUC> condition                 | R      | 1      | 0=Normal;1=Blocked;2=Start On (Alarm);3=Start On (Alarm & Trip) |
| HR1565           | DOC1:ldir> condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1566           | DOC1:ldir> Last fault end with      | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR1567           | DOC1:ldir> Last fault type          | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR1568           | DOC1:ldir> Last fault angle         | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)                            |
| HR1569           |                                     |        |        | HR1568 (Lo-16bits)                                              |



| Holding Register | Parameter                                | Access | Length |                                                 |
|------------------|------------------------------------------|--------|--------|-------------------------------------------------|
| HR1570           | DOC1:ldir> Last fault IA current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR1571           |                                          |        |        | HR1570 (Lo-16bits)                              |
| HR1572           | DOC1:ldir> Last fault IB current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR1573           |                                          |        |        | HR1572 (Lo-16bits)                              |
| HR1574           | DOC1:ldir> Last fault IC current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR1575           |                                          |        |        | HR1574 (Lo-16bits)                              |
| HR1576           | DOC2:ldir>> condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked               |
| HR1577           | DOC2:ldir>> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR1578           | DOC2:ldir>> Last fault type              | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR1579           | DOC2:ldir>> Last fault angle             | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR1580           |                                          |        |        | HR1579 (Lo-16bits)                              |
| HR1581           | DOC2:ldir>> Last fault IA current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR1582           |                                          |        |        | HR1581 (Lo-16bits)                              |
| HR1583           | DOC2:ldir>> Last fault IB current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR1584           |                                          |        |        | HR1583 (Lo-16bits)                              |
| HR1585           | DOC2:ldir>> Last fault IC current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR1586           |                                          |        |        | HR1585 (Lo-16bits)                              |
| HR1587           | DOC3:ldir>>> condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked               |
| HR1588           | DOC3:ldir>>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR1589           | DOC3:ldir>>> Last fault type             | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR1590           | DOC3:ldir>>> Last fault angle            | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR1591           |                                          |        |        | HR1590 (Lo-16bits)                              |
| HR1592           | DOC3:ldir>>> Last fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR1593           |                                          |        |        | HR1592 (Lo-16bits)                              |

| Holding Register | Parameter                                    | Access | Length |                                                     |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------|
| HR1594           | DOC3:Idir>>> Last fault IB current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                     |
| HR1595           |                                              |        |        | HR1594 (Lo-16bits)                                  |
| HR1596           | DOC3:Idir>>> Last fault IC current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                     |
| HR1597           |                                              |        |        | HR1596 (Lo-16bits)                                  |
| HR1598           | DOC4:Idir>>>> condition                      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                   |
| HR1599           | DOC4:Idir>>> Last fault end with             | R      | 1      | 0=No Faults;1=Start;2=Trip                          |
| HR1600           | DOC4:Idir>>>> Last fault type                | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C     |
| HR1601           | DOC4:Idir>>>> Last fault angle               | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)                |
| HR1602           |                                              |        |        | HR1601 (Lo-16bits)                                  |
| HR1603           | DOC4:Idir>>>> Last fault IA current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                     |
| HR1604           |                                              |        |        | HR1603 (Lo-16bits)                                  |
| HR1605           | DOC4:Idir>>>> Last fault IB current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                     |
| HR1606           |                                              |        |        | HR1605 (Lo-16bits)                                  |
| HR1607           | DOC4:Idir>>>> Last fault IC current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                     |
| HR1608           |                                              |        |        | HR1607 (Lo-16bits)                                  |
| HR1609           | NEF1:I0> condition                           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                   |
| HR1610           | NEF1:Detected fault type                     | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F |
| HR1611           | NEF1:I0> Last fault end with                 | R      | 1      | 0=No Faults;1=Start;2=Trip                          |
| HR1612           | NEF1:I0> Last fault I0 current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                     |
| HR1613           |                                              |        |        | HR1612 (Lo-16bits)                                  |
| HR1614           | NEF1:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                        |
| HR1615           |                                              |        |        | HR1614 (Lo-16bits)                                  |
| HR1616           | NEF1:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                         |
| HR1617           | NEF1:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                        |
| HR1618           |                                              |        |        | HR1617 (Lo-16bits)                                  |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR1619           | NEF1:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR1620           | NEF1:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR1621           | NEF1:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR1622           | NEF1:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR1623           | NEF1:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR1624           |                                              |        |        | HR1623 (Lo-16bits)                                          |
| HR1625           | NEF1:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1626           |                                              |        |        | HR1625 (Lo-16bits)                                          |
| HR1627           | NEF1:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1628           |                                              |        |        | HR1627 (Lo-16bits)                                          |
| HR1629           | NEF1:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1630           |                                              |        |        | HR1629 (Lo-16bits)                                          |
| HR1631           | NEF1:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR1632           | NEF1:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR1633           | NEF2:I0>> condition                          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1634           | NEF2:Detected fault type                     | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1635           | NEF2:I0>> Last fault end with                | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR1636           | NEF2:I0>> Last fault I0 current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1637           |                                              |        |        | HR1636 (Lo-16bits)                                          |
| HR1638           | NEF2:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR1639           |                                              |        |        | HR1638 (Lo-16bits)                                          |
| HR1640           | NEF2:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR1641           | NEF2:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR1642           |                                              |        |        | HR1641 (Lo-16bits)                                          |
| HR1643           | NEF2:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR1644           | NEF2:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR1645           | NEF2:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR1646           | NEF2:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR1647           | NEF2:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR1648           |                                              |        |        | HR1647 (Lo-16bits)                                          |
| HR1649           | NEF2:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1650           |                                              |        |        | HR1649 (Lo-16bits)                                          |
| HR1651           | NEF2:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1652           |                                              |        |        | HR1651 (Lo-16bits)                                          |
| HR1653           | NEF2:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1654           |                                              |        |        | HR1653 (Lo-16bits)                                          |
| HR1655           | NEF2:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR1656           | NEF2:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR1657           | NEF3:I0>>> condition                         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1658           | NEF3:Detected fault type                     | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1659           | NEF3:I0>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR1660           | NEF3:I0>>> Last fault I0 current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1661           |                                              |        |        | HR1660 (Lo-16bits)                                          |
| HR1662           | NEF3:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR1663           |                                              |        |        | HR1662 (Lo-16bits)                                          |
| HR1664           | NEF3:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR1665           | NEF3:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR1666           |                                              |        |        | HR1665 (Lo-16bits)                                          |
| HR1667           | NEF3:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR1668           | NEF3:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR1669           | NEF3:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR1670           | NEF3:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR1671           | NEF3:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR1672           |                                              |        |        | HR1671 (Lo-16bits)                                          |
| HR1673           | NEF3:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1674           |                                              |        |        | HR1673 (Lo-16bits)                                          |
| HR1675           | NEF3:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1676           |                                              |        |        | HR1675 (Lo-16bits)                                          |
| HR1677           | NEF3:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1678           |                                              |        |        | HR1677 (Lo-16bits)                                          |
| HR1679           | NEF3:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR1680           | NEF3:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR1681           | NEF4:I0>>>> condition                        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1682           | NEF4:Detected fault type                     | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1683           | NEF4:I0>>>> Last fault end with              | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR1684           | NEF4:I0>>>> Last fault I0 current (pri)      | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1685           |                                              |        |        | HR1684 (Lo-16bits)                                          |
| HR1686           | NEF4:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR1687           |                                              |        |        | HR1686 (Lo-16bits)                                          |
| HR1688           | NEF4:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR1689           | NEF4:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR1690           |                                              |        |        | HR1689 (Lo-16bits)                                          |
| HR1691           | NEF4:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR1692           | NEF4:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR1693           | NEF4:Delay char. ANSI/ IEEE                  | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR1694           | NEF4:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR1695           | NEF4:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR1696           |                                              |        |        | HR1695 (Lo-16bits)                                          |
| HR1697           | NEF4:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |

| Holding Register | Parameter                                | Access | Length |                                                             |
|------------------|------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR1698           |                                          |        |        | HR1697 (Lo-16bits)                                          |
| HR1699           | NEF4:IDMT Const. B                       | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1700           |                                          |        |        | HR1699 (Lo-16bits)                                          |
| HR1701           | NEF4:IDMT Const. C                       | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR1702           |                                          |        |        | HR1701 (Lo-16bits)                                          |
| HR1703           | NEF4:Select SG                           | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR1704           | NEF4:Write settings to selected SG       | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR1705           | DEF1:I0dir> condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1706           | DEF1:U0> Measuring now                   | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1707           | DEF1:I0 Direction now                    | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1708           | DEF1:I0dir> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR1709           | DEF1:I0dir> Last fault angle             | R      | 2      | FLOAT [-360...360] (Hi-16bits)                              |
| HR1710           |                                          |        |        | HR1709 (Lo-16bits)                                          |
| HR1711           | DEF1:I0dir> Last fault I0 current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1712           |                                          |        |        | HR1711 (Lo-16bits)                                          |
| HR1713           | DEF1:I0dir> Last fault U0(%)             | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1714           |                                          |        |        | HR1713 (Lo-16bits)                                          |
| HR1715           | DEF2:I0dir>> condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1716           | DEF2:U0>> Measuring now                  | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1717           | DEF2:I0 Direction now                    | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1718           | DEF2:I0dir>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR1719           | DEF2:I0dir>> Last fault angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits)                              |
| HR1720           |                                          |        |        | HR1719 (Lo-16bits)                                          |
| HR1721           | DEF2:I0dir>> Last fault I0 current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1722           |                                          |        |        | HR1721 (Lo-16bits)                                          |
| HR1723           | DEF2:I0dir>> Last fault U0(%)            | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |

| Holding Register | Parameter                                  | Access | Length |                                                             |
|------------------|--------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR1724           |                                            |        |        | HR1723 (Lo-16bits)                                          |
| HR1725           | DEF3:I0dir>>> condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1726           | DEF3:U0>>> Measuring now                   | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1727           | DEF3:I0 Direction now                      | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1728           | DEF3:I0dir>>> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR1729           | DEF3:I0dir>>> Last fault angle             | R      | 2      | FLOAT [-360...360] (Hi-16bits)                              |
| HR1730           |                                            |        |        | HR1729 (Lo-16bits)                                          |
| HR1731           | DEF3:I0dir>>> Last fault I0 current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1732           |                                            |        |        | HR1731 (Lo-16bits)                                          |
| HR1733           | DEF3:I0dir>>> Last fault U0(%)             | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1734           |                                            |        |        | HR1733 (Lo-16bits)                                          |
| HR1735           | DEF4:I0dir>>>> condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1736           | DEF4:U0>>>> Measuring now                  | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1737           | DEF4:I0 Direction now                      | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1738           | DEF4:I0dir>>>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR1739           | DEF4:I0dir>>>> Last fault angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits)                              |
| HR1740           |                                            |        |        | HR1739 (Lo-16bits)                                          |
| HR1741           | DEF4:I0dir>>>> Last fault I0 current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1742           |                                            |        |        | HR1741 (Lo-16bits)                                          |
| HR1743           | DEF4:I0dir>>>> Last fault U0(%)            | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR1744           |                                            |        |        | HR1743 (Lo-16bits)                                          |
| HR1745           | IEF1:I0Int> condition                      | R      | 1      | 0=Normal;1=StartFWD;2=StartREV;3=Trip;4=Blocked;            |
| HR1746           | IEF1:U0> Measuring now                     | R      | 1      | 0=No U0 avail!;1=U3 Input;2=U4 Input                        |
| HR1747           | CUB1:I2> condition                         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1748           | CUB2:I2>> condition                        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |

| Holding Register | Parameter             | Access | Length |                                   |
|------------------|-----------------------|--------|--------|-----------------------------------|
| HR1749           | CUB3:I2>>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1750           | CUB4:I2>>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1751           | HOC1:Ih> condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1752           | HOC1:L1 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1753           |                       |        |        | HR1752 (Lo-16bits)                |
| HR1754           | HOC1:L1 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1755           |                       |        |        | HR1754 (Lo-16bits)                |
| HR1756           | HOC1:L2 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1757           |                       |        |        | HR1756 (Lo-16bits)                |
| HR1758           | HOC1:L2 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1759           |                       |        |        | HR1758 (Lo-16bits)                |
| HR1760           | HOC1:L3 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1761           |                       |        |        | HR1760 (Lo-16bits)                |
| HR1762           | HOC1:L3 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1763           |                       |        |        | HR1762 (Lo-16bits)                |
| HR1764           | HOC1:I01 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1765           |                       |        |        | HR1764 (Lo-16bits)                |
| HR1766           | HOC1:I01 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1767           |                       |        |        | HR1766 (Lo-16bits)                |
| HR1768           | HOC1:I02 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1769           |                       |        |        | HR1768 (Lo-16bits)                |
| HR1770           | HOC1:I02 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1771           |                       |        |        | HR1770 (Lo-16bits)                |
| HR1772           | HOC2:Ih>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1773           | HOC2:L1 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1774           |                       |        |        | HR1773 (Lo-16bits)                |
| HR1775           | HOC2:L1 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1776           |                       |        |        | HR1775 (Lo-16bits)                |
| HR1777           | HOC2:L2 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1778           |                       |        |        | HR1777 (Lo-16bits)                |



| Holding Register | Parameter            | Access | Length |                                   |
|------------------|----------------------|--------|--------|-----------------------------------|
| HR1779           | HOC2:L2 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1780           |                      |        |        | HR1779 (Lo-16bits)                |
| HR1781           | HOC2:L3 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1782           |                      |        |        | HR1781 (Lo-16bits)                |
| HR1783           | HOC2:L3 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1784           |                      |        |        | HR1783 (Lo-16bits)                |
| HR1785           | HOC2:I01 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1786           |                      |        |        | HR1785 (Lo-16bits)                |
| HR1787           | HOC2:I01 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1788           |                      |        |        | HR1787 (Lo-16bits)                |
| HR1789           | HOC2:I02 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1790           |                      |        |        | HR1789 (Lo-16bits)                |
| HR1791           | HOC2:I02 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1792           |                      |        |        | HR1791 (Lo-16bits)                |
| HR1793           | HOC3:Ih>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1794           | HOC3:L1 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1795           |                      |        |        | HR1794 (Lo-16bits)                |
| HR1796           | HOC3:L1 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1797           |                      |        |        | HR1796 (Lo-16bits)                |
| HR1798           | HOC3:L2 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1799           |                      |        |        | HR1798 (Lo-16bits)                |
| HR1800           | HOC3:L2 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1801           |                      |        |        | HR1800 (Lo-16bits)                |
| HR1802           | HOC3:L3 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1803           |                      |        |        | HR1802 (Lo-16bits)                |
| HR1804           | HOC3:L3 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1805           |                      |        |        | HR1804 (Lo-16bits)                |
| HR1806           | HOC3:I01 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1807           |                      |        |        | HR1806 (Lo-16bits)                |
| HR1808           | HOC3:I01 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |

| Holding Register | Parameter               | Access | Length |                                                            |
|------------------|-------------------------|--------|--------|------------------------------------------------------------|
| HR1809           |                         |        |        | HR1808 (Lo-16bits)                                         |
| HR1810           | HOC3:I02 Harm p.u.      | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1811           |                         |        |        | HR1810 (Lo-16bits)                                         |
| HR1812           | HOC3:I02 Harm per       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1813           |                         |        |        | HR1812 (Lo-16bits)                                         |
| HR1814           | HOC4:Ih>>>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                          |
| HR1815           | HOC4:L1 Harm p.u.       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1816           |                         |        |        | HR1815 (Lo-16bits)                                         |
| HR1817           | HOC4:L1 Harm per        | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1818           |                         |        |        | HR1817 (Lo-16bits)                                         |
| HR1819           | HOC4:L2 Harm p.u.       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1820           |                         |        |        | HR1819 (Lo-16bits)                                         |
| HR1821           | HOC4:L2 Harm per        | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1822           |                         |        |        | HR1821 (Lo-16bits)                                         |
| HR1823           | HOC4:L3 Harm p.u.       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1824           |                         |        |        | HR1823 (Lo-16bits)                                         |
| HR1825           | HOC4:L3 Harm per        | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1826           |                         |        |        | HR1825 (Lo-16bits)                                         |
| HR1827           | HOC4:I01 Harm p.u.      | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1828           |                         |        |        | HR1827 (Lo-16bits)                                         |
| HR1829           | HOC4:I01 Harm per       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1830           |                         |        |        | HR1829 (Lo-16bits)                                         |
| HR1831           | HOC4:I02 Harm p.u.      | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1832           |                         |        |        | HR1831 (Lo-16bits)                                         |
| HR1833           | HOC4:I02 Harm per       | R      | 2      | FLOAT [0...100000] (Hi-16bits)                             |
| HR1834           |                         |        |        | HR1833 (Lo-16bits)                                         |
| HR1835           | CLP1:CLP condition      | R      | 1      | 0=Normal;1=Curr low;2=Overcurrent On;3=CLPU On;4=CLPU b    |
| HR1836           | CBF1:CBFP condition     | R      | 1      | 0=Normal;1=Start;2=ReTrip;3=CBFP On;4=Blocked              |
| HR1837           | MST1:Motor is now       | R      | 1      | 0=Stopped;1=Starting;2=Running;3=Stalled                   |
| HR1838           | TRF1:Transformer is now | R      | 1      | 0=No/LightLoad;1=Energizing;2=Normal load;3=Overloaded;4=C |

| Holding Register | Parameter                           | Access | Length |                                                                 |
|------------------|-------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR1839           | DIF1:Idx> condition                 | R      | 2      | 0b=Idx> Trip;1b=Idx> Blocked;2b=Idi> Trip;3b=Idi> Blocked;4b=2  |
| HR1840           |                                     |        |        | HR1839 (Lo-16bits)                                              |
| HR1841           | DIF1:REFHV> condition               | R      | 2      | 0b=HV REF Blocked;1b=HV REF Trip (Hi-16bits)                    |
| HR1842           |                                     |        |        | HR1841 (Lo-16bits)                                              |
| HR1843           | DIF1:REFLV> condition               | R      | 2      | 0b=LV REF Blocked;1b=LV REF Trip (Hi-16bits)                    |
| HR1844           |                                     |        |        | HR1843 (Lo-16bits)                                              |
| HR1845           | DIF1:L1 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff    |
| HR1846           | DIF1:L2 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff    |
| HR1847           | DIF1:L3 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff    |
| HR1848           | REF1:I0d> condition                 | R      | 1      | 0=Normal;1=Trip;2=Blocked                                       |
| HR1849           | TOLT1:TT> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=      |
| HR1850           | TOLT1:Thermal status                | R      | 1      | 0=Light / No load;1=High overload;2=Overloading;3=Load norma    |
| HR1851           | TOLT1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                         |
| HR1852           | TOLT1:Ambient Temp Sel              | RW     | 1      | 0=Manual Set;1=RTD Meas                                         |
| HR1853           | TOLT1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                  |
| HR1854           | TOLF1:TF> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=      |
| HR1855           | TOLF1:Thermal status                | R      | 1      | 0=Light / No load;1=High overload;2=Overloading;3=Load norma    |
| HR1856           | TOLF1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                         |
| HR1857           | TOLF1:Ambient Temp Sel              | RW     | 1      | 0=Manual Set;1=RTD Meas                                         |
| HR1858           | TOLF1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                  |
| HR1859           | TOLF1:Set or Estimate tau (t const) | RW     | 1      | 0=Set;1=Estimate                                                |
| HR1860           | TOLM1:TM> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=      |
| HR1861           | TOLM1:TM> Setting alarm             | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR1862           | TOLM1:TM> Setting alarm             | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR1863           | TOLM1:TM> Setting alarm             | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR1864           | TOLM1:TM> Setting alarm             | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR1865           | TOLM1:Motor status                  | R      | 1      | 0=Stopped;1=Stalled;2=JustStopped;3=Overloading;4=Running       |
| HR1866           | TOLM1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                         |
| HR1867           | TOLM1:NPS Biasing in use            | RW     | 1      | 0=No NPS biasing;1=NPS Biasing in use                           |
| HR1868           | TOLM1:Time constants                | RW     | 1      | 0=Single;1=Multiple                                             |

| Holding Register | Parameter                           | Access | Length |                                                          |
|------------------|-------------------------------------|--------|--------|----------------------------------------------------------|
| HR1869           | TOLM1:Estimate Short TC and timings | RW     | 1      | 0=Set manually;1=Estimate (on-line)                      |
| HR1870           | TOLM1:T const dyn. balancing        | RW     | 1      | 0=Fixed;1=Dynamic                                        |
| HR1871           | TOLM1:Dev.Temp (tmax)               | RW     | 1      | 0=A;1=B;2=F;3=H;4=Manual set                             |
| HR1872           | TOLM1:Amb. T Selection              | RW     | 1      | 0=Manual set;1=RTD                                       |
| HR1873           | TOLM1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                           |
| HR1874           | LCR1:ISt> condition                 | R      | 1      | 0=Normal;1=Start; 2=Set time Trip;3=M cap Trip;4=Blocked |
| HR1875           | FSP1:N> condition                   | R      | 1      | 0=Normal;1=Alarm On;2=Inhibits;3=Blocked                 |
| HR1876           | NUC1:I< condition                   | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                      |
| HR1877           | MJP1:Im> condition                  | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                      |
| HR1878           | OV1:U> condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1879           | OV2:U>> condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1880           | OV3:U>>> condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1881           | OV4:U>>>> condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1882           | UV1:U< condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1883           | UV2:U<< condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1884           | UV3:U<<< condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1885           | UV4:U<<<< condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1886           | NOV1:U0> condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1887           | NOV1:U0> Measuring now              | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1888           | NOV2:U0>> condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1889           | NOV2:U0>> Measuring now             | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1890           | NOV3:U0>>> condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1891           | NOV3:U0>>> Measuring now            | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1892           | NOV4:U0>>>> condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1893           | NOV4:U0>>>> Measuring now           | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1894           | VUB1:U1/2 >/< condition             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1895           | VUB2:U1/2 >>/<< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |

| Holding Register | Parameter                    | Access | Length |                                   |
|------------------|------------------------------|--------|--------|-----------------------------------|
| HR1896           | VUB3:U1/2 >>>/<<< condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1897           | VUB4:U1/2 >>>/<<< condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1898           | PGS1:PS1 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1899           | PGS1:PS2 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1900           | PGS1:PS3 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1901           | PGS1:PS4 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1902           | PGS1:PS5 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1903           | PGS1:PS6 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1904           | PGS1:PS7 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1905           | PGS1:PS8 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1906           | PGS1:PS9 >/< condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1907           | PGS1:PS10 >/< condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1908           | FRQC1:f> [Curr] condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1909           | FRQC1:f>> [Curr] condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1910           | FRQC1:f>>> [Curr] condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1911           | FRQC1:f>>>> [Curr] condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1912           | FRQC1:f< [Curr] condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1913           | FRQC1:f<< [Curr] condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1914           | FRQC1:f<<< [Curr] condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1915           | FRQC1:f<<<< [Curr] condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1916           | FRQV1:f> condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1917           | FRQV1:f>> condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1918           | FRQV1:f>>> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1919           | FRQV1:f>>>> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1920           | FRQV1:f< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1921           | FRQV1:f<< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1922           | FRQV1:f<<< condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |

| Holding Register | Parameter                    | Access | Length |                                                              |
|------------------|------------------------------|--------|--------|--------------------------------------------------------------|
| HR1923           | FRQV1:f<<<< condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1924           | DFT1:df/dt >/< (1) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1925           | DFT1:df/dt >/< (2) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1926           | DFT1:df/dt >/< (3) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1927           | DFT1:df/dt >/< (4) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1928           | DFT1:df/dt >/< (5) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1929           | DFT1:df/dt >/< (6) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1930           | DFT1:df/dt >/< (7) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1931           | DFT1:df/dt >/< (8) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1932           | RHC1:Counter is now          | R      | 1      | 0=Idle;1=Counting                                            |
| HR1933           | RHC1:Running hours           | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits)                          |
| HR1934           |                              |        |        | HR1933 (Lo-16bits)                                           |
| HR1935           | GST1:Generator is now        | R      | 1      | 0=No/LightLoad;1=Normal load;2=Overloaded;3=On high overload |
| HR1936           | PWR1:PQS>/< condition        | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1937           | PWR2:PQS>>/<< condition      | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1938           | PWR3:PQS>>>/<<< condition    | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1939           | PWR4:PQS>>>>/<<<< condition  | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1940           | OPW1:P> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1941           | UPW1:P< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1942           | RPW1:Prev> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1943           | SEF1:U03rd< condition        | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1944           | SEF1:U03rd< Measuring now    | R      | 1      | 0=No U0 avail!;1=U3 Input;2=U4 Input                         |
| HR1945           | UEX1:Q< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1946           | UIM1:Z< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1947           | UIM2:Z<< condition           | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1948           | VOC1:lv> condition           | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1949           | VOC1:Voltage measurement     | R      | 1      | 0=Invalid U1 not avail.;1=Ok                                 |
| HR1950           | VHZ1:V/Hz(1) > condition     | R      | 1      | 0=Normal;1=VHz(1) Blocked;2=VHz(1) Start;3=VHz(1) Alarm;4=   |

| Holding Register | Parameter                     | Access | Length |                                                                    |
|------------------|-------------------------------|--------|--------|--------------------------------------------------------------------|
| HR1951           | VHZ1:V/Hz(2) > condition      | R      | 1      | 0=Normal;1=VHz(2) Start;2=VHz(2) Alarm;3=VHz(2) Trip;4=VHz(2) Trip |
| HR1952           | UPF1:PF< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Alarm Start;5=Alarm            |
| HR1953           | RTDIN:S1 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                |
| HR1954           |                               |        |        | HR1953 (Lo-16bits)                                                 |
| HR1955           | RTDIN:S1 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                                   |
| HR1956           |                               |        |        | HR1955 (Lo-16bits)                                                 |
| HR1957           | RTDIN:S1 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit              |
| HR1958           | RTDIN:S1 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                |
| HR1959           |                               |        |        | HR1958 (Lo-16bits)                                                 |
| HR1960           | RTDIN:S2 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                |
| HR1961           |                               |        |        | HR1960 (Lo-16bits)                                                 |
| HR1962           | RTDIN:S2 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                                   |
| HR1963           |                               |        |        | HR1962 (Lo-16bits)                                                 |
| HR1964           | RTDIN:S2 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit              |
| HR1965           | RTDIN:S2 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                |
| HR1966           |                               |        |        | HR1965 (Lo-16bits)                                                 |
| HR1967           | RTDIN:S3 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                |
| HR1968           |                               |        |        | HR1967 (Lo-16bits)                                                 |
| HR1969           | RTDIN:S3 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                                   |
| HR1970           |                               |        |        | HR1969 (Lo-16bits)                                                 |
| HR1971           | RTDIN:S3 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit              |
| HR1972           | RTDIN:S3 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                |
| HR1973           |                               |        |        | HR1972 (Lo-16bits)                                                 |
| HR1974           | RTDIN:S4 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                |
| HR1975           |                               |        |        | HR1974 (Lo-16bits)                                                 |
| HR1976           | RTDIN:S4 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                                   |
| HR1977           |                               |        |        | HR1976 (Lo-16bits)                                                 |

| Holding Register | Parameter                     | Access | Length |                                                       |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------|
| HR1978           | RTDIN:S4 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1979           | RTDIN:S4 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR1980           |                               |        |        | HR1979 (Lo-16bits)                                    |
| HR1981           | RTDIN:S5 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR1982           |                               |        |        | HR1981 (Lo-16bits)                                    |
| HR1983           | RTDIN:S5 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR1984           |                               |        |        | HR1983 (Lo-16bits)                                    |
| HR1985           | RTDIN:S5 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1986           | RTDIN:S5 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR1987           |                               |        |        | HR1986 (Lo-16bits)                                    |
| HR1988           | RTDIN:S6 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR1989           |                               |        |        | HR1988 (Lo-16bits)                                    |
| HR1990           | RTDIN:S6 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR1991           |                               |        |        | HR1990 (Lo-16bits)                                    |
| HR1992           | RTDIN:S6 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR1993           | RTDIN:S6 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR1994           |                               |        |        | HR1993 (Lo-16bits)                                    |
| HR1995           | RTDIN:S7 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR1996           |                               |        |        | HR1995 (Lo-16bits)                                    |
| HR1997           | RTDIN:S7 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR1998           |                               |        |        | HR1997 (Lo-16bits)                                    |
| HR1999           | RTDIN:S7 Measurement mA       | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)                    |
| HR2000           |                               |        |        | HR1999 (Lo-16bits)                                    |
| HR2001           | RTDIN:S7 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2002           | RTDIN:S7 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2003           |                               |        |        | HR2002 (Lo-16bits)                                    |



| Holding Register | Parameter                      | Access | Length |                                                       |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------|
| HR2004           | RTDIN:S8 Measurement(Raw)      | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2005           |                                |        |        | HR2004 (Lo-16bits)                                    |
| HR2006           | RTDIN:S8 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR2007           |                                |        |        | HR2006 (Lo-16bits)                                    |
| HR2008           | RTDIN:S8 Measurement mA        | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)                    |
| HR2009           |                                |        |        | HR2008 (Lo-16bits)                                    |
| HR2010           | RTDIN:S8 Sensor                | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2011           | RTDIN:S8 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2012           |                                |        |        | HR2011 (Lo-16bits)                                    |
| HR2013           | RTDIN:S9 Measurement(Raw)      | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2014           |                                |        |        | HR2013 (Lo-16bits)                                    |
| HR2015           | RTDIN:S9 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR2016           |                                |        |        | HR2015 (Lo-16bits)                                    |
| HR2017           | RTDIN:S9 Sensor                | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2018           | RTDIN:S9 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2019           |                                |        |        | HR2018 (Lo-16bits)                                    |
| HR2020           | RTDIN:S10 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2021           |                                |        |        | HR2020 (Lo-16bits)                                    |
| HR2022           | RTDIN:S10 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR2023           |                                |        |        | HR2022 (Lo-16bits)                                    |
| HR2024           | RTDIN:S10 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2025           | RTDIN:S10 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2026           |                                |        |        | HR2025 (Lo-16bits)                                    |
| HR2027           | RTDIN:S11 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2028           |                                |        |        | HR2027 (Lo-16bits)                                    |
| HR2029           | RTDIN:S11 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |

| Holding Register | Parameter                      | Access | Length |                                                       |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------|
| HR2030           |                                |        |        | HR2029 (Lo-16bits)                                    |
| HR2031           | RTDIN:S11 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2032           | RTDIN:S11 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2033           |                                |        |        | HR2032 (Lo-16bits)                                    |
| HR2034           | RTDIN:S12 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2035           |                                |        |        | HR2034 (Lo-16bits)                                    |
| HR2036           | RTDIN:S12 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR2037           |                                |        |        | HR2036 (Lo-16bits)                                    |
| HR2038           | RTDIN:S12 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2039           | RTDIN:S12 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2040           |                                |        |        | HR2039 (Lo-16bits)                                    |
| HR2041           | RTDIN:S13 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2042           |                                |        |        | HR2041 (Lo-16bits)                                    |
| HR2043           | RTDIN:S13 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR2044           |                                |        |        | HR2043 (Lo-16bits)                                    |
| HR2045           | RTDIN:S13 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2046           | RTDIN:S13 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2047           |                                |        |        | HR2046 (Lo-16bits)                                    |
| HR2048           | RTDIN:S14 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2049           |                                |        |        | HR2048 (Lo-16bits)                                    |
| HR2050           | RTDIN:S14 Resistance           | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR2051           |                                |        |        | HR2050 (Lo-16bits)                                    |
| HR2052           | RTDIN:S14 Sensor               | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2053           | RTDIN:S14 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2054           |                                |        |        | HR2053 (Lo-16bits)                                    |
| HR2055           | RTDIN:S15 Measurement(Raw)     | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |

| Holding Register | Parameter                        | Access | Length |                                                       |
|------------------|----------------------------------|--------|--------|-------------------------------------------------------|
| HR2056           |                                  |        |        | HR2055 (Lo-16bits)                                    |
| HR2057           | RTDIN:S15 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR2058           |                                  |        |        | HR2057 (Lo-16bits)                                    |
| HR2059           | RTDIN:S15 Measurement mA         | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)                    |
| HR2060           |                                  |        |        | HR2059 (Lo-16bits)                                    |
| HR2061           | RTDIN:S15 Sensor                 | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2062           | RTDIN:S15 Filtered measurement   | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2063           |                                  |        |        | HR2062 (Lo-16bits)                                    |
| HR2064           | RTDIN:S16 Measurement(Raw)       | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2065           |                                  |        |        | HR2064 (Lo-16bits)                                    |
| HR2066           | RTDIN:S16 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)                      |
| HR2067           |                                  |        |        | HR2066 (Lo-16bits)                                    |
| HR2068           | RTDIN:S16 Measurement mA         | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)                    |
| HR2069           |                                  |        |        | HR2068 (Lo-16bits)                                    |
| HR2070           | RTDIN:S16 Sensor                 | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2071           | RTDIN:S16 Filtered measurement   | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                   |
| HR2072           |                                  |        |        | HR2071 (Lo-16bits)                                    |
| HR2073           | RTD1:S1 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)                       |
| HR2074           |                                  |        |        | HR2073 (Lo-16bits)                                    |
| HR2075           | RTD1:S2 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)                       |
| HR2076           |                                  |        |        | HR2075 (Lo-16bits)                                    |
| HR2077           | RTD1:S3 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)                       |
| HR2078           |                                  |        |        | HR2077 (Lo-16bits)                                    |
| HR2079           | RTD1:S4 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)                       |
| HR2080           |                                  |        |        | HR2079 (Lo-16bits)                                    |

| Holding Register | Parameter                         | Access | Length |                                 |
|------------------|-----------------------------------|--------|--------|---------------------------------|
| HR2081           | RTD1:S5 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2082           |                                   |        |        | HR2081 (Lo-16bits)              |
| HR2083           | RTD1:S6 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2084           |                                   |        |        | HR2083 (Lo-16bits)              |
| HR2085           | RTD1:S7 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2086           |                                   |        |        | HR2085 (Lo-16bits)              |
| HR2087           | RTD1:S8 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2088           |                                   |        |        | HR2087 (Lo-16bits)              |
| HR2089           | RTD1:S9 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2090           |                                   |        |        | HR2089 (Lo-16bits)              |
| HR2091           | RTD1:S10 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2092           |                                   |        |        | HR2091 (Lo-16bits)              |
| HR2093           | RTD1:S11 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2094           |                                   |        |        | HR2093 (Lo-16bits)              |
| HR2095           | RTD1:S12 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2096           |                                   |        |        | HR2095 (Lo-16bits)              |
| HR2097           | RTD1:S13 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2098           |                                   |        |        | HR2097 (Lo-16bits)              |
| HR2099           | RTD1:S14 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2100           |                                   |        |        | HR2099 (Lo-16bits)              |
| HR2101           | RTD1:S15 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2102           |                                   |        |        | HR2101 (Lo-16bits)              |
| HR2103           | RTD1:S16 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2104           |                                   |        |        | HR2103 (Lo-16bits)              |

| Holding Register | Parameter            | Access | Length |                                         |
|------------------|----------------------|--------|--------|-----------------------------------------|
| HR2105           | RTD1:S1 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2106           |                      |        |        | HR2105 (Lo-16bits)                      |
| HR2107           | RTD1:S1 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2108           |                      |        |        | HR2107 (Lo-16bits)                      |
| HR2109           | RTD1:S1 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2110           |                      |        |        | HR2109 (Lo-16bits)                      |
| HR2111           | RTD1:S2 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2112           |                      |        |        | HR2111 (Lo-16bits)                      |
| HR2113           | RTD1:S2 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2114           |                      |        |        | HR2113 (Lo-16bits)                      |
| HR2115           | RTD1:S2 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2116           |                      |        |        | HR2115 (Lo-16bits)                      |
| HR2117           | RTD1:S3 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2118           |                      |        |        | HR2117 (Lo-16bits)                      |
| HR2119           | RTD1:S3 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2120           |                      |        |        | HR2119 (Lo-16bits)                      |
| HR2121           | RTD1:S3 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2122           |                      |        |        | HR2121 (Lo-16bits)                      |
| HR2123           | RTD1:S4 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2124           |                      |        |        | HR2123 (Lo-16bits)                      |
| HR2125           | RTD1:S4 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2126           |                      |        |        | HR2125 (Lo-16bits)                      |
| HR2127           | RTD1:S4 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2128           |                      |        |        | HR2127 (Lo-16bits)                      |
| HR2129           | RTD1:S5 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2130           |                      |        |        | HR2129 (Lo-16bits)                      |
| HR2131           | RTD1:S5 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2132           |                      |        |        | HR2131 (Lo-16bits)                      |
| HR2133           | RTD1:S5 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2134           |                      |        |        | HR2133 (Lo-16bits)                      |

| Holding Register | Parameter             | Access | Length |                                         |
|------------------|-----------------------|--------|--------|-----------------------------------------|
| HR2135           | RTD1:S6 ALARM1 ON     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2136           |                       |        |        | HR2135 (Lo-16bits)                      |
| HR2137           | RTD1:S6 ALARM2 ON     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2138           |                       |        |        | HR2137 (Lo-16bits)                      |
| HR2139           | RTD1:S6 MEAS INVALID  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2140           |                       |        |        | HR2139 (Lo-16bits)                      |
| HR2141           | RTD1:S7 ALARM1 ON     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2142           |                       |        |        | HR2141 (Lo-16bits)                      |
| HR2143           | RTD1:S7 ALARM2 ON     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2144           |                       |        |        | HR2143 (Lo-16bits)                      |
| HR2145           | RTD1:S7 MEAS INVALID  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2146           |                       |        |        | HR2145 (Lo-16bits)                      |
| HR2147           | RTD1:S8 ALARM1 ON     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2148           |                       |        |        | HR2147 (Lo-16bits)                      |
| HR2149           | RTD1:S8 ALARM2 ON     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2150           |                       |        |        | HR2149 (Lo-16bits)                      |
| HR2151           | RTD1:S8 MEAS INVALID  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2152           |                       |        |        | HR2151 (Lo-16bits)                      |
| HR2153           | RTD1:S9 ALARM1 ON     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2154           |                       |        |        | HR2153 (Lo-16bits)                      |
| HR2155           | RTD1:S9 ALARM2 ON     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2156           |                       |        |        | HR2155 (Lo-16bits)                      |
| HR2157           | RTD1:S9 MEAS INVALID  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2158           |                       |        |        | HR2157 (Lo-16bits)                      |
| HR2159           | RTD1:S10 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2160           |                       |        |        | HR2159 (Lo-16bits)                      |
| HR2161           | RTD1:S10 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2162           |                       |        |        | HR2161 (Lo-16bits)                      |
| HR2163           | RTD1:S10 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2164           |                       |        |        | HR2163 (Lo-16bits)                      |

| Holding Register | Parameter             | Access | Length |                                         |
|------------------|-----------------------|--------|--------|-----------------------------------------|
| HR2165           | RTD1:S11 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2166           |                       |        |        | HR2165 (Lo-16bits)                      |
| HR2167           | RTD1:S11 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2168           |                       |        |        | HR2167 (Lo-16bits)                      |
| HR2169           | RTD1:S11 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2170           |                       |        |        | HR2169 (Lo-16bits)                      |
| HR2171           | RTD1:S12 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2172           |                       |        |        | HR2171 (Lo-16bits)                      |
| HR2173           | RTD1:S12 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2174           |                       |        |        | HR2173 (Lo-16bits)                      |
| HR2175           | RTD1:S12 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2176           |                       |        |        | HR2175 (Lo-16bits)                      |
| HR2177           | RTD1:S13 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2178           |                       |        |        | HR2177 (Lo-16bits)                      |
| HR2179           | RTD1:S13 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2180           |                       |        |        | HR2179 (Lo-16bits)                      |
| HR2181           | RTD1:S13 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2182           |                       |        |        | HR2181 (Lo-16bits)                      |
| HR2183           | RTD1:S14 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2184           |                       |        |        | HR2183 (Lo-16bits)                      |
| HR2185           | RTD1:S14 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2186           |                       |        |        | HR2185 (Lo-16bits)                      |
| HR2187           | RTD1:S14 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2188           |                       |        |        | HR2187 (Lo-16bits)                      |
| HR2189           | RTD1:S15 ALARM1 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2190           |                       |        |        | HR2189 (Lo-16bits)                      |
| HR2191           | RTD1:S15 ALARM2 ON    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2192           |                       |        |        | HR2191 (Lo-16bits)                      |
| HR2193           | RTD1:S15 MEAS INVALID | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2194           |                       |        |        | HR2193 (Lo-16bits)                      |

| Holding Register | Parameter                    | Access | Length |                                                              |
|------------------|------------------------------|--------|--------|--------------------------------------------------------------|
| HR2195           | RTD1:S16 ALARM1 ON           | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                      |
| HR2196           |                              |        |        | HR2195 (Lo-16bits)                                           |
| HR2197           | RTD1:S16 ALARM2 ON           | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                      |
| HR2198           |                              |        |        | HR2197 (Lo-16bits)                                           |
| HR2199           | RTD1:S16 MEAS INVALID        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                      |
| HR2200           |                              |        |        | HR2199 (Lo-16bits)                                           |
| HR2201           | ARC1:I/O Arc> condition      | R      | 1      | 0b=Z1 Trip;1b=Z1 Blocked;2b=Z2 Trip;3b=Z2 Blocked;4b=Z3 Trip |
| HR2202           | CTS1:CTS1 condition          | R      | 1      | 0=Normal;1=Alarm;2=Blocked                                   |
| HR2203           | CTS2:CTS2 condition          | R      | 1      | 0=Normal;1=Alarm;2=Blocked                                   |
| HR2204           | VTS1:VTS condition           | R      | 1      | 0=Normal;1=Start;2=VTBusfail;3=VTLinefail;4=Blocked          |
| HR2205           | VTS1:Bus voltages            | R      | 1      | 0=Bus dead;1=Bus Live VTS Ok SEQ Ok;2=Bus Live VTS Ok SE     |
| HR2206           | FLX1:Fault locator condition | R      | 1      | 0=Idle;1=Triggered;2=Calc ready                              |
| HR2207           | THD1:THD condition           | R      | 1      | 0=Normal;1=Start;2=Alarm;3=Blocked                           |
| HR2208           | CBW1:CBW condition           | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On                             |
| HR2209           | NJK1:U0> RECL condition      | R      | 1      | 0=Normal;1=Requested;2=Blocked;3=Active;4=BK clo cmd;5=BK    |
| HR2210           | SOF1:SOTF condition          | R      | 1      | 0=Normal;1=Init;2=Active;3=Trip;4=Blocked                    |
| HR2211           | PCS1:PCS1 Switch Status      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                      |
| HR2212           |                              |        |        | HR2211 (Lo-16bits)                                           |
| HR2213           | PCS2:PCS2 Switch Status      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                      |
| HR2214           |                              |        |        | HR2213 (Lo-16bits)                                           |
| HR2215           | PCS3:PCS3 Switch Status      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                      |
| HR2216           |                              |        |        | HR2215 (Lo-16bits)                                           |
| HR2217           | PCS4:PCS4 Switch Status      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                      |
| HR2218           |                              |        |        | HR2217 (Lo-16bits)                                           |
| HR2219           | PCS5:PCS5 Switch Status      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                      |
| HR2220           |                              |        |        | HR2219 (Lo-16bits)                                           |
| HR2221           | SYN1:SYN1 Condition          | R      | 2      | 0b=SYN1 Blocked;1b=SYN1 Ok;2b=SYN1 Bypass;3b=SYN1 Vco        |
| HR2222           |                              |        |        | HR2221 (Lo-16bits)                                           |
| HR2223           | SYN1:SYN2 Condition          | R      | 2      | 0b=SYN2 Blocked;1b=SYN2 Ok;2b=SYN2 Bypass;3b=SYN2 Vco        |
| HR2224           |                              |        |        | HR2223 (Lo-16bits)                                           |



| Holding Register | Parameter                       | Access | Length |                                                       |
|------------------|---------------------------------|--------|--------|-------------------------------------------------------|
| HR2225           | SYN1:SYN3 Condition             | R      | 2      | 0b=SYN3 Blocked;1b=SYN3 Ok;2b=SYN3 Bypass;3b=SYN3 Vco |
| HR2226           |                                 |        |        | HR2225 (Lo-16bits)                                    |
| HR2227           | SYN1:Estimated BRK Closing time | R      | 2      | FLOAT [0...360] (Hi-16bits)                           |
| HR2228           |                                 |        |        | HR2227 (Lo-16bits)                                    |
| HR2229           | SYN1:Networks rotating time     | R      | 2      | FLOAT [0...360] (Hi-16bits)                           |
| HR2230           |                                 |        |        | HR2229 (Lo-16bits)                                    |
| HR2231           | SYN1:Networks placement atm     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR2232           |                                 |        |        | HR2231 (Lo-16bits)                                    |
| HR2233           | VJP1:<DELTA><alpha> > condition | R      | 1      | 0=Normal;1=Blocked;2=Trip;3=Alarm                     |
| HR2234           | VJP1:Voltage meas selected      | R      | 1      | 0=Selection Ok;1=Selection not available              |
| HR2235           | OBJ1:Object1 Breaker Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2236           | OBJ2:Object2 Breaker Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2237           | OBJ3:Object3 Breaker Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2238           | OBJ4:Object4 Breaker Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2239           | OBJ5:Object5 Breaker Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2240           | OBJ6:Object6 Breaker Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2241           | OBJ7:Object7 Breaker Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2242           | OBJ8:Object8 Breaker Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2243           | OBJ9:Object9 Breaker Status     | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2244           | OBJ10:Object10 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2245           | CIN1:Ind.1 Object Status        | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2246           | CIN2:Ind.2 Object Status        | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |
| HR2247           | CIN3:Ind.3 Object Status        | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                  |

| Holding Register | Parameter                             | Access | Length |                                                                                                                                      |
|------------------|---------------------------------------|--------|--------|--------------------------------------------------------------------------------------------------------------------------------------|
| HR2248           | CIN4:Ind.4 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                 |
| HR2249           | CIN5:Ind.5 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                 |
| HR2250           | AR1:Auto-recloser [79] Mode           | RW     | 1      | 0=Disabled;1=Activated                                                                                                               |
| HR2251           | AR1:AR Status                         | R      | 2      | 0b=AR is inhibit;1b=AR is ready;2b=AR is locked;3b=AR is running;4b=AR is Requested;14b=AR4 Requested;15b=AR5 Requested;16b=Executed |
| HR2252           |                                       |        |        | HR2251 (Lo-16bits)                                                                                                                   |
| HR2253           | AR1:Timer active                      | R      | 1      | 0=-;1=AR Lockout;2=AR Reset Reclaim;3=AR Start Delay;4=AR is running                                                                 |
| HR2254           | VRG1:Vreg settings condition          | R      | 2      | 0b=U>> set too low;1b=U< set too high;2b=U> set higher than U<                                                                       |
| HR2255           |                                       |        |        | HR2254 (Lo-16bits)                                                                                                                   |
| HR2256           | VRG1:Vreg condition                   | R      | 2      | 0b=Raise command on;1b=Lower command on;2b=Operation blocked                                                                         |
| HR2257           |                                       |        |        | HR2256 (Lo-16bits)                                                                                                                   |
| HR2258           | VRG1:Vreg timer active                | R      | 1      | 0=-;1=Fine tune Decrease;2=Fine tune Increase;3=Low set Decrease                                                                     |
| HR2259           | VRG1:Voltage now                      | R      | 2      | FLOAT [0...140] (Hi-16bits)                                                                                                          |
| HR2260           |                                       |        |        | HR2259 (Lo-16bits)                                                                                                                   |
| HR2261           | VRG1:Voltage difference to set target | R      | 2      | FLOAT [-140...140] (Hi-16bits)                                                                                                       |
| HR2262           |                                       |        |        | HR2261 (Lo-16bits)                                                                                                                   |
| HR2263           | VRG1:Voltage meas condition           | R      | 1      | 0=Not configured;1=System U12;2=System U23;3=System U31;                                                                             |
| HR2264           | VRG1:Tap location now (-0 +)          | R      | 2      | FLOAT [-30...30] (Hi-16bits)                                                                                                         |
| HR2265           |                                       |        |        | HR2264 (Lo-16bits)                                                                                                                   |
| HR2266           | VRG1:Absolute tap location            | R      | 2      | FLOAT [0...50] (Hi-16bits)                                                                                                           |
| HR2267           |                                       |        |        | HR2266 (Lo-16bits)                                                                                                                   |
| HR2268           | VRG1:Control mode                     | R      | 1      | 0=Auto;1=Manual (loc&rem)                                                                                                            |
| HR2269           | VRG1:Remote tap control input         | RW     | 1      | 0=Stop;1=Lower;2=Higher                                                                                                              |
| HR2270           | VRG1:Target Voltage (UTGT)            | RW     | 2      | FLOAT [70...140] (Hi-16bits)                                                                                                         |
| HR2271           |                                       |        |        | HR2270 (Lo-16bits)                                                                                                                   |
| HR2272           | VRG1:Target Voltage (UTGT)            | RW     | 2      | FLOAT [70...140] (Hi-16bits)                                                                                                         |
| HR2273           |                                       |        |        | HR2272 (Lo-16bits)                                                                                                                   |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR2274           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2275           |                            |        |        | HR2274 (Lo-16bits)           |
| HR2276           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2277           |                            |        |        | HR2276 (Lo-16bits)           |
| HR2278           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2279           |                            |        |        | HR2278 (Lo-16bits)           |
| HR2280           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2281           |                            |        |        | HR2280 (Lo-16bits)           |
| HR2282           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2283           |                            |        |        | HR2282 (Lo-16bits)           |
| HR2284           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2285           |                            |        |        | HR2284 (Lo-16bits)           |
| HR2286           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2287           |                            |        |        | HR2286 (Lo-16bits)           |
| HR2288           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2289           |                            |        |        | HR2288 (Lo-16bits)           |
| HR2290           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2291           |                            |        |        | HR2290 (Lo-16bits)           |
| HR2292           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2293           |                            |        |        | HR2292 (Lo-16bits)           |
| HR2294           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2295           |                            |        |        | HR2294 (Lo-16bits)           |
| HR2296           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2297           |                            |        |        | HR2296 (Lo-16bits)           |
| HR2298           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2299           |                            |        |        | HR2298 (Lo-16bits)           |
| HR2300           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                              |
|------------------|--------------------------|--------|--------|------------------------------|
| HR2301           |                          |        |        | HR2300 (Lo-16bits)           |
| HR2302           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2303           |                          |        |        | HR2302 (Lo-16bits)           |
| HR2304           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2305           |                          |        |        | HR2304 (Lo-16bits)           |
| HR2306           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2307           |                          |        |        | HR2306 (Lo-16bits)           |
| HR2308           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2309           |                          |        |        | HR2308 (Lo-16bits)           |
| HR2310           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2311           |                          |        |        | HR2310 (Lo-16bits)           |
| HR2312           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2313           |                          |        |        | HR2312 (Lo-16bits)           |
| HR2314           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2315           |                          |        |        | HR2314 (Lo-16bits)           |
| HR2316           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2317           |                          |        |        | HR2316 (Lo-16bits)           |
| HR2318           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2319           |                          |        |        | HR2318 (Lo-16bits)           |
| HR2320           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2321           |                          |        |        | HR2320 (Lo-16bits)           |
| HR2322           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2323           |                          |        |        | HR2322 (Lo-16bits)           |
| HR2324           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2325           |                          |        |        | HR2324 (Lo-16bits)           |
| HR2326           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2327           |                          |        |        | HR2326 (Lo-16bits)           |

| Holding Register | Parameter                            | Access | Length |                              |
|------------------|--------------------------------------|--------|--------|------------------------------|
| HR2328           | VRG1:U>> setting (+UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2329           |                                      |        |        | HR2328 (Lo-16bits)           |
| HR2330           | VRG1:U>> setting (+UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2331           |                                      |        |        | HR2330 (Lo-16bits)           |
| HR2332           | VRG1:U>> setting (+UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2333           |                                      |        |        | HR2332 (Lo-16bits)           |
| HR2334           | VRG1:U<< setting (-UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2335           |                                      |        |        | HR2334 (Lo-16bits)           |
| HR2336           | VRG1:U<< setting (-UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2337           |                                      |        |        | HR2336 (Lo-16bits)           |
| HR2338           | VRG1:U<< setting (-UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2339           |                                      |        |        | HR2338 (Lo-16bits)           |
| HR2340           | VRG1:U<< setting (-UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2341           |                                      |        |        | HR2340 (Lo-16bits)           |
| HR2342           | VRG1:U<< setting (-UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2343           |                                      |        |        | HR2342 (Lo-16bits)           |
| HR2344           | VRG1:U<< setting (-UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2345           |                                      |        |        | HR2344 (Lo-16bits)           |
| HR2346           | VRG1:U<< setting (-UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2347           |                                      |        |        | HR2346 (Lo-16bits)           |
| HR2348           | VRG1:U<< setting (-UTGT)             | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2349           |                                      |        |        | HR2348 (Lo-16bits)           |
| HR2350           | EMON1:I> (50) Monitor condition      | R      | 1      | 0=Normal;1=FLT detected      |
| HR2351           | EMON1:I0> (50N) Monitor condition    | R      | 1      | 0=Normal;1=FLT detected      |
| HR2352           | EMON1:I0dir> (67) Monitor condition  | R      | 1      | 0=Normal;1=FLT detected      |
| HR2353           | EMON1:I0dir> (67N) Monitor condition | R      | 1      | 0=Normal;1=FLT detected      |

| Holding Register | Parameter                                | Access | Length |                                                         |
|------------------|------------------------------------------|--------|--------|---------------------------------------------------------|
| HR2354           | EMON1:I0Int> (67NT) Monitor condition    | R      | 1      | 0=Normal;1=FLT FW;2=FLT REV                             |
| HR2355           | EMON1:U< (27) Monitor condition          | R      | 1      | 0=Normal;1=Undervoltage;2=No voltage                    |
| HR2356           | EMON1:U0> (59N) Monitor condition        | R      | 1      | 0=Normal;1=FLT detected                                 |
| HR2357           | EMON1:FL (21FL) Monitor condition        | R      | 1      | 0=Normal;1=FLT detected                                 |
| HR2358           | ALARM:Alarms 1-32                        | R      | 2      | 0b=A1;1b=A2;2b=A3;3b=A4;4b=A5;5b=A6;6b=A7;7b=A8;8b=A9   |
| HR2359           |                                          |        |        | HR2358 (Lo-16bits)                                      |
| HR2360           | ALARM:Alarms 33-64                       | R      | 2      | 0b=A33;1b=A34;2b=A35;3b=A36;4b=A37;5b=A38;6b=A39;7b=A40 |
| HR2361           |                                          |        |        | HR2360 (Lo-16bits)                                      |
| HR2362           | GSYN:Synchronizer mode                   | RW     | 1      | 0=Disabled;1=Activated                                  |
| HR2363           | GSYN:Magnitude difference                | R      | 2      | FLOAT [-200...200] (Hi-16bits)                          |
| HR2364           |                                          |        |        | HR2363 (Lo-16bits)                                      |
| HR2365           | GSYN:Frequency difference                | R      | 2      | FLOAT [-100...100] (Hi-16bits)                          |
| HR2366           |                                          |        |        | HR2365 (Lo-16bits)                                      |
| HR2367           | GSYN:Angle difference                    | R      | 2      | FLOAT [-360...360] (Hi-16bits)                          |
| HR2368           |                                          |        |        | HR2367 (Lo-16bits)                                      |
| HR2369           | GSYN:Magnitude difference on closing BRK | R      | 2      | FLOAT [-200...200] (Hi-16bits)                          |
| HR2370           |                                          |        |        | HR2369 (Lo-16bits)                                      |
| HR2371           | GSYN:Frequency difference on closing BRK | R      | 2      | FLOAT [-100...100] (Hi-16bits)                          |
| HR2372           |                                          |        |        | HR2371 (Lo-16bits)                                      |
| HR2373           | GSYN:Angle difference on closing BRK     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                          |
| HR2374           |                                          |        |        | HR2373 (Lo-16bits)                                      |
| HR2375           | GSYN:Estimated BRK Closing time          | R      | 2      | FLOAT [0...360] (Hi-16bits)                             |
| HR2376           |                                          |        |        | HR2375 (Lo-16bits)                                      |
| HR2377           | GSYN:Networks rotating time              | R      | 2      | FLOAT [0...360] (Hi-16bits)                             |
| HR2378           |                                          |        |        | HR2377 (Lo-16bits)                                      |

| Holding Register | Parameter                              | Access | Length |                                         |
|------------------|----------------------------------------|--------|--------|-----------------------------------------|
| HR2379           | GSYN:Networks placement atm            | R      | 2      | FLOAT [-360...360] (Hi-16bits)          |
| HR2380           |                                        |        |        | HR2379 (Lo-16bits)                      |
| HR2381           | GSYN:Synchronizing time left           | R      | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR2382           |                                        |        |        | HR2381 (Lo-16bits)                      |
| HR2383           | GSYN:Magnitude difference fine tune    | RW     | 2      | FLOAT [-200...200] (Hi-16bits)          |
| HR2384           |                                        |        |        | HR2383 (Lo-16bits)                      |
| HR2385           | GSYN:Frequency difference fine tune    | RW     | 2      | FLOAT [-100...100] (Hi-16bits)          |
| HR2386           |                                        |        |        | HR2385 (Lo-16bits)                      |
| HR2387           | GSYN:Angle difference fine tune        | RW     | 2      | FLOAT [-360...360] (Hi-16bits)          |
| HR2388           |                                        |        |        | HR2387 (Lo-16bits)                      |
| HR2389           | GSYN:Start Synchronizer                | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2390           |                                        |        |        | HR2389 (Lo-16bits)                      |
| HR2391           | GSYN:Stop Synchronizer                 | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2392           |                                        |        |        | HR2391 (Lo-16bits)                      |
| HR2393           | GSYN:Block and Interrupt Synchronizing | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2394           |                                        |        |        | HR2393 (Lo-16bits)                      |
| HR2395           | GSYN:Breaker Closed                    | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2396           |                                        |        |        | HR2395 (Lo-16bits)                      |
| HR2397           | GSYN:GSYN Voltage Mag.Difference Ok    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2398           |                                        |        |        | HR2397 (Lo-16bits)                      |
| HR2399           | GSYN:GSYN Voltage Freq.Difference Ok   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2400           |                                        |        |        | HR2399 (Lo-16bits)                      |
| HR2401           | GSYN:GSYN Voltage Ang.Difference Ok    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2402           |                                        |        |        | HR2401 (Lo-16bits)                      |
| HR2403           | GSYN:GSYN Blocked                      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2404           |                                        |        |        | HR2403 (Lo-16bits)                      |

| Holding Register | Parameter                                                         | Access | Length |                                         |
|------------------|-------------------------------------------------------------------|--------|--------|-----------------------------------------|
| HR2405           | GSYN:GSYN Running                                                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2406           |                                                                   |        |        | HR2405 (Lo-16bits)                      |
| HR2407           | GSYN:GSYN Increase Voltage                                        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2408           |                                                                   |        |        | HR2407 (Lo-16bits)                      |
| HR2409           | GSYN:GSYN Decrease Voltage                                        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2410           |                                                                   |        |        | HR2409 (Lo-16bits)                      |
| HR2411           | GSYN:GSYN Increase Frequency                                      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2412           |                                                                   |        |        | HR2411 (Lo-16bits)                      |
| HR2413           | GSYN:GSYN Decrease Frequency                                      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2414           |                                                                   |        |        | HR2413 (Lo-16bits)                      |
| HR2415           | GSYN:GSYN Breaker Close Pulse                                     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2416           |                                                                   |        |        | HR2415 (Lo-16bits)                      |
| HR2417           | GSYN:GSYN Long Sync Time                                          | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2418           |                                                                   |        |        | HR2417 (Lo-16bits)                      |
| HR2419           | VREC:Measurement value recorder mode                              | RW     | 1      | 0=Disabled;1=Activated                  |
| HR2420           | VREC:Scale current values to primary                              | RW     | 1      | 0=No;1=Yes                              |
| HR2421           | VREC:Record fault types (Overcurrent & Voltage Over/Under) faults | RW     | 1      | 0=No;1=Yes                              |
| HR2422           | VREC:Trigger register to memory                                   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2423           |                                                                   |        |        | HR2422 (Lo-16bits)                      |
| HR2424           | VREC:VREC Magnitude 1                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR2425           |                                                                   |        |        | HR2424 (Lo-16bits)                      |
| HR2426           | VREC:VREC Magnitude 2                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR2427           |                                                                   |        |        | HR2426 (Lo-16bits)                      |
| HR2428           | VREC:VREC Magnitude 3                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR2429           |                                                                   |        |        | HR2428 (Lo-16bits)                      |



| Holding Register | Parameter                           | Access | Length |                                          |
|------------------|-------------------------------------|--------|--------|------------------------------------------|
| HR2430           | VREC:VREC Magnitude 4               | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR2431           |                                     |        |        | HR2430 (Lo-16bits)                       |
| HR2432           | VREC:VREC Magnitude 5               | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR2433           |                                     |        |        | HR2432 (Lo-16bits)                       |
| HR2434           | VREC:VREC Magnitude 6               | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR2435           |                                     |        |        | HR2434 (Lo-16bits)                       |
| HR2436           | VREC:VREC Magnitude 7               | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR2437           |                                     |        |        | HR2436 (Lo-16bits)                       |
| HR2438           | VREC:VREC Magnitude 8               | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR2439           |                                     |        |        | HR2438 (Lo-16bits)                       |
| HR2440           | RTB:Measurement value recorder mode | RW     | 1      | 0=Disabled;1=Activated                   |
| HR2441           | RTB:Scale current values to primary | RW     | 1      | 0=No;1=Yes                               |
| HR2442           | RTB:RTS to bus Magnitude 1          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2443           |                                     |        |        | HR2442 (Lo-16bits)                       |
| HR2444           | RTB:RTS to bus Magnitude 2          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2445           |                                     |        |        | HR2444 (Lo-16bits)                       |
| HR2446           | RTB:RTS to bus Magnitude 3          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2447           |                                     |        |        | HR2446 (Lo-16bits)                       |
| HR2448           | RTB:RTS to bus Magnitude 4          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2449           |                                     |        |        | HR2448 (Lo-16bits)                       |
| HR2450           | RTB:RTS to bus Magnitude 5          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2451           |                                     |        |        | HR2450 (Lo-16bits)                       |
| HR2452           | RTB:RTS to bus Magnitude 6          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2453           |                                     |        |        | HR2452 (Lo-16bits)                       |
| HR2454           | RTB:RTS to bus Magnitude 7          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2455           |                                     |        |        | HR2454 (Lo-16bits)                       |

| Holding Register | Parameter                                 | Access | Length |                                          |
|------------------|-------------------------------------------|--------|--------|------------------------------------------|
| HR2456           | RTB:RTS to bus Magnitude 8                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2457           |                                           |        |        | HR2456 (Lo-16bits)                       |
| HR2458           | AOUT:mA In Channel 1                      | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR2459           |                                           |        |        | HR2458 (Lo-16bits)                       |
| HR2460           | AOUT:mA In Channel 2                      | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR2461           |                                           |        |        | HR2460 (Lo-16bits)                       |
| HR2462           | AOUT:mA Out Channel 1 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2463           |                                           |        |        | HR2462 (Lo-16bits)                       |
| HR2464           | AOUT:mA Out Channel 1 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR2465           |                                           |        |        | HR2464 (Lo-16bits)                       |
| HR2466           | AOUT:mA Out Channel 2 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2467           |                                           |        |        | HR2466 (Lo-16bits)                       |
| HR2468           | AOUT:mA Out Channel 2 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR2469           |                                           |        |        | HR2468 (Lo-16bits)                       |
| HR2470           | AOUT:mA Out Channel 3 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2471           |                                           |        |        | HR2470 (Lo-16bits)                       |
| HR2472           | AOUT:mA Out Channel 3 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR2473           |                                           |        |        | HR2472 (Lo-16bits)                       |
| HR2474           | AOUT:mA Out Channel 4 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2475           |                                           |        |        | HR2474 (Lo-16bits)                       |
| HR2476           | AOUT:mA Out Channel 4 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR2477           |                                           |        |        | HR2476 (Lo-16bits)                       |
| HR2478           | AOUT:mA Out Channel 5 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR2479           |                                           |        |        | HR2478 (Lo-16bits)                       |
| HR2480           | AOUT:mA Out Channel 5 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |

| Holding Register | Parameter                                         | Access | Length |                                                                 |
|------------------|---------------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2481           |                                                   |        |        | HR2480 (Lo-16bits)                                              |
| HR2482           | AOUT:mA Out Channel 6<br>Input Magnitude now      | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits)                        |
| HR2483           |                                                   |        |        | HR2482 (Lo-16bits)                                              |
| HR2484           | AOUT:mA Out Channel 6<br>Outputs now              | R      | 2      | FLOAT [0...24] (Hi-16bits)                                      |
| HR2485           |                                                   |        |        | HR2484 (Lo-16bits)                                              |
| HR2486           | AOUT:mA Out Channel 7<br>Input Magnitude now      | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits)                        |
| HR2487           |                                                   |        |        | HR2486 (Lo-16bits)                                              |
| HR2488           | AOUT:mA Out Channel 7<br>Outputs now              | R      | 2      | FLOAT [0...24] (Hi-16bits)                                      |
| HR2489           |                                                   |        |        | HR2488 (Lo-16bits)                                              |
| HR2490           | AOUT:mA Out Channel 8<br>Input Magnitude now      | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits)                        |
| HR2491           |                                                   |        |        | HR2490 (Lo-16bits)                                              |
| HR2492           | AOUT:mA Out Channel 8<br>Outputs now              | R      | 2      | FLOAT [0...24] (Hi-16bits)                                      |
| HR2493           |                                                   |        |        | HR2492 (Lo-16bits)                                              |
| HR2494           | TOLT1:TT> Setting alarm                           | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2495           | TOLT1:TT> Setting alarm                           | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2496           | TOLT1:TT> Setting alarm                           | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2497           | TOLT1:TT> Setting alarm                           | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2498           | TOLF1:TF> Setting alarm                           | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2499           | TOLF1:TF> Setting alarm                           | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2500           | TOLF1:TF> Setting alarm                           | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2501           | TOLF1:TF> Setting alarm                           | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2502           | POW1:Apparent Energy (S)<br>while Export (P) MVAh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |
| HR2503           |                                                   |        |        | HR2502 (Lo-16bits)                                              |
| HR2504           | POW1:Apparent Energy (S)<br>while Export (P) kVAh | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |
| HR2505           |                                                   |        |        | HR2504 (Lo-16bits)                                              |
| HR2506           | POW1:Apparent Energy (S)<br>while Import (P) MVAh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |

| Holding Register | Parameter                                                                 | Access | Length |                                              |
|------------------|---------------------------------------------------------------------------|--------|--------|----------------------------------------------|
| HR2507           |                                                                           |        |        | HR2506 (Lo-16bits)                           |
| HR2508           | POW1:Apparent Energy (S) while Import (P) kVAh                            | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2509           |                                                                           |        |        | HR2508 (Lo-16bits)                           |
| HR2510           | POW1:Apparent Energy (S) Net                                              | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2511           |                                                                           |        |        | HR2510 (Lo-16bits)                           |
| HR2512           | POW1:Real Energy (P) Net                                                  | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2513           |                                                                           |        |        | HR2512 (Lo-16bits)                           |
| HR2514           | POW1:Reactive Energy (Q) Net                                              | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2515           |                                                                           |        |        | HR2514 (Lo-16bits)                           |
| HR2516           | POW1:Real Energy (P) Supply (Default supply direction towards busbar)     | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2517           |                                                                           |        |        | HR2516 (Lo-16bits)                           |
| HR2518           | POW1:Reactive Energy (Q) Supply (Default supply direction towards busbar) | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2519           |                                                                           |        |        | HR2518 (Lo-16bits)                           |
| HR2520           | POW1:Real Energy (P) Demand (Default demand direction from busbar)        | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2521           |                                                                           |        |        | HR2520 (Lo-16bits)                           |
| HR2522           | POW1:Reactive Energy (Q) Demand (Default demand direction from busbar)    | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2523           |                                                                           |        |        | HR2522 (Lo-16bits)                           |
| HR2524           | M1CT1:Phase CT primary                                                    | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)                |
| HR2525           |                                                                           |        |        | HR2524 (Lo-16bits)                           |
| HR2526           | M1CT1:Phase CT secondary                                                  | R(W)   | 2      | FLOAT [0.2...20] (Hi-16bits)                 |
| HR2527           |                                                                           |        |        | HR2526 (Lo-16bits)                           |
| HR2528           | M1CT2:I01 CT primary                                                      | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits)              |
| HR2529           |                                                                           |        |        | HR2528 (Lo-16bits)                           |
| HR2530           | M1CT2:I01 CT secondary                                                    | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)                 |

| Holding Register | Parameter                    | Access | Length |                                 |
|------------------|------------------------------|--------|--------|---------------------------------|
| HR2531           |                              |        |        | HR2530 (Lo-16bits)              |
| HR2532           | M1CT3:I02 CT primary         | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2533           |                              |        |        | HR2532 (Lo-16bits)              |
| HR2534           | M1CT3:I02 CT secondary       | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR2535           |                              |        |        | HR2534 (Lo-16bits)              |
| HR2536           | M2CT1:Phase CT primary       | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)   |
| HR2537           |                              |        |        | HR2536 (Lo-16bits)              |
| HR2538           | M2CT1:Phase CT secondary     | R(W)   | 2      | FLOAT [0.2...20] (Hi-16bits)    |
| HR2539           |                              |        |        | HR2538 (Lo-16bits)              |
| HR2540           | M2CT2:I"01 CT primary        | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2541           |                              |        |        | HR2540 (Lo-16bits)              |
| HR2542           | M2CT2:I"01 CT secondary      | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)    |
| HR2543           |                              |        |        | HR2542 (Lo-16bits)              |
| HR2544           | M2CT3:I"02 CT primary        | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2545           |                              |        |        | HR2544 (Lo-16bits)              |
| HR2546           | M2CT3:I"02 CT secondary      | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR2547           |                              |        |        | HR2546 (Lo-16bits)              |
| HR2548           | M1VT1:VT primary             | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2549           |                              |        |        | HR2548 (Lo-16bits)              |
| HR2550           | M1VT1:VT secondary           | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR2551           |                              |        |        | HR2550 (Lo-16bits)              |
| HR2552           | M1VT1:U3 Res/SS VT primary   | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2553           |                              |        |        | HR2552 (Lo-16bits)              |
| HR2554           | M1VT1:U3 Res/SS VT secondary | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR2555           |                              |        |        | HR2554 (Lo-16bits)              |
| HR2556           | M1VT1:U4 Res/SS VT primary   | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2557           |                              |        |        | HR2556 (Lo-16bits)              |
| HR2558           | M1VT1:U4 Res/SS VT secondary | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |

| Holding Register | Parameter                      | Access | Length |                                                   |
|------------------|--------------------------------|--------|--------|---------------------------------------------------|
| HR2559           |                                |        |        | HR2558 (Lo-16bits)                                |
| HR2560           | TOLT1:TT> Thermal cap used     | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2561           |                                |        |        | HR2560 (Lo-16bits)                                |
| HR2562           | TOLF1:TF> Thermal cap used     | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2563           |                                |        |        | HR2562 (Lo-16bits)                                |
| HR2564           | TOLM1:TM> Thermal cap used     | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2565           |                                |        |        | HR2564 (Lo-16bits)                                |
| HR2566           | GSYN:Magnitude side A          | R      | 2      | FLOAT [0.000...200.000] (Hi-16bits)               |
| HR2567           |                                |        |        | HR2566 (Lo-16bits)                                |
| HR2568           | GSYN:Magnitude side B          | R      | 2      | FLOAT [0.000...200.000] (Hi-16bits)               |
| HR2569           |                                |        |        | HR2568 (Lo-16bits)                                |
| HR2570           | GSYN:Frequency side A          | R      | 2      | FLOAT [0.000...75.000] (Hi-16bits)                |
| HR2571           |                                |        |        | HR2570 (Lo-16bits)                                |
| HR2572           | GSYN:Frequency side B          | R      | 2      | FLOAT [0.000...75.000] (Hi-16bits)                |
| HR2573           |                                |        |        | HR2572 (Lo-16bits)                                |
| HR2574           | GSYN:Synchronizing by          | RW     | 1      | 0=Autosynchronizer;1=Manual commands              |
| HR2575           | GSYN:Manual switching mode     | RW     | 1      | 0=Assisted synchroswitch;1=I know what I am doing |
| HR2576           | GSYN:Manual increase voltage   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2577           |                                |        |        | HR2576 (Lo-16bits)                                |
| HR2578           | GSYN:Manual decrease voltage   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2579           |                                |        |        | HR2578 (Lo-16bits)                                |
| HR2580           | GSYN:Manual increase frequency | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2581           |                                |        |        | HR2580 (Lo-16bits)                                |
| HR2582           | GSYN:Manual decrease frequency | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2583           |                                |        |        | HR2582 (Lo-16bits)                                |
| HR2584           | GSYN:Manual Close Breaker      | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |

| Holding Register | Parameter                     | Access | Length |                                         |
|------------------|-------------------------------|--------|--------|-----------------------------------------|
| HR2585           |                               |        |        | HR2584 (Lo-16bits)                      |
| HR2586           | ARC1:I/O Arc> S1 Sensor fault | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2587           |                               |        |        | HR2586 (Lo-16bits)                      |
| HR2588           | ARC1:I/O Arc> S2 Sensor fault | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2589           |                               |        |        | HR2588 (Lo-16bits)                      |
| HR2590           | ARC1:I/O Arc> S3 Sensor fault | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2591           |                               |        |        | HR2590 (Lo-16bits)                      |
| HR2592           | ARC1:I/O Arc> S4 Sensor fault | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2593           |                               |        |        | HR2592 (Lo-16bits)                      |
| HR2594           | ARC1:I/O Arc> IO unit fault   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2595           |                               |        |        | HR2594 (Lo-16bits)                      |
| HR2596           | DIGI:DI1 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2597           |                               |        |        | HR2596 (Lo-16bits)                      |
| HR2598           | DIGI:DI1 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2599           | DIGI:DI2 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2600           |                               |        |        | HR2599 (Lo-16bits)                      |
| HR2601           | DIGI:DI2 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2602           | DIGI:DI3 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2603           |                               |        |        | HR2602 (Lo-16bits)                      |
| HR2604           | DIGI:DI3 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2605           | DIGI:DI4 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2606           |                               |        |        | HR2605 (Lo-16bits)                      |
| HR2607           | DIGI:DI4 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2608           | DIGI:DI5 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2609           |                               |        |        | HR2608 (Lo-16bits)                      |
| HR2610           | DIGI:DI5 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2611           | DIGI:DI6 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2612           |                               |        |        | HR2611 (Lo-16bits)                      |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2613           | DIGI:DI6 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2614           | DIGI:DI7 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2615           |                         |        |        | HR2614 (Lo-16bits)                  |
| HR2616           | DIGI:DI7 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2617           | DIGI:DI8 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2618           |                         |        |        | HR2617 (Lo-16bits)                  |
| HR2619           | DIGI:DI8 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2620           | DIGI:DI9 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2621           |                         |        |        | HR2620 (Lo-16bits)                  |
| HR2622           | DIGI:DI9 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2623           | DIGI:DI10 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2624           |                         |        |        | HR2623 (Lo-16bits)                  |
| HR2625           | DIGI:DI10 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2626           | DIGI:DI11 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2627           |                         |        |        | HR2626 (Lo-16bits)                  |
| HR2628           | DIGI:DI11 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2629           | DIGI:DI12 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2630           |                         |        |        | HR2629 (Lo-16bits)                  |
| HR2631           | DIGI:DI12 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2632           | DIGI:DI13 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2633           |                         |        |        | HR2632 (Lo-16bits)                  |
| HR2634           | DIGI:DI13 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2635           | DIGI:DI14 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2636           |                         |        |        | HR2635 (Lo-16bits)                  |
| HR2637           | DIGI:DI14 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2638           | DIGI:DI15 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2639           |                         |        |        | HR2638 (Lo-16bits)                  |
| HR2640           | DIGI:DI15 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2641           | DIGI:DI16 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2642           |                         |        |        | HR2641 (Lo-16bits)                  |



| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2643           | DIGI:DI16 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2644           | DIGI:DI17 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2645           |                         |        |        | HR2644 (Lo-16bits)                  |
| HR2646           | DIGI:DI17 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2647           | DIGI:DI18 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2648           |                         |        |        | HR2647 (Lo-16bits)                  |
| HR2649           | DIGI:DI18 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2650           | DIGI:DI19 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2651           |                         |        |        | HR2650 (Lo-16bits)                  |
| HR2652           | DIGI:DI19 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2653           | DIGI:DI20 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2654           |                         |        |        | HR2653 (Lo-16bits)                  |
| HR2655           | DIGI:DI20 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2656           | DIGI:DI21 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2657           |                         |        |        | HR2656 (Lo-16bits)                  |
| HR2658           | DIGI:DI21 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2659           | DIGI:DI22 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2660           |                         |        |        | HR2659 (Lo-16bits)                  |
| HR2661           | DIGI:DI22 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2662           | DIGI:DI23 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2663           |                         |        |        | HR2662 (Lo-16bits)                  |
| HR2664           | DIGI:DI23 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2665           | DIGI:DI24 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2666           |                         |        |        | HR2665 (Lo-16bits)                  |
| HR2667           | DIGI:DI24 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2668           | DIGI:DI25 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2669           |                         |        |        | HR2668 (Lo-16bits)                  |
| HR2670           | DIGI:DI25 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2671           | DIGI:DI26 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2672           |                         |        |        | HR2671 (Lo-16bits)                  |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2673           | DIGI:DI26 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2674           | DIGI:DI27 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2675           |                         |        |        | HR2674 (Lo-16bits)                  |
| HR2676           | DIGI:DI27 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2677           | DIGI:DI28 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2678           |                         |        |        | HR2677 (Lo-16bits)                  |
| HR2679           | DIGI:DI28 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2680           | DIGI:DI29 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2681           |                         |        |        | HR2680 (Lo-16bits)                  |
| HR2682           | DIGI:DI29 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2683           | DIGI:DI30 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2684           |                         |        |        | HR2683 (Lo-16bits)                  |
| HR2685           | DIGI:DI30 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2686           | DIGI:DI31 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2687           |                         |        |        | HR2686 (Lo-16bits)                  |
| HR2688           | DIGI:DI31 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2689           | DIGI:DI32 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2690           |                         |        |        | HR2689 (Lo-16bits)                  |
| HR2691           | DIGI:DI32 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2692           | DIGI:DI33 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2693           |                         |        |        | HR2692 (Lo-16bits)                  |
| HR2694           | DIGI:DI33 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2695           | DIGI:DI34 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2696           |                         |        |        | HR2695 (Lo-16bits)                  |
| HR2697           | DIGI:DI34 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2698           | DIGI:DI35 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2699           |                         |        |        | HR2698 (Lo-16bits)                  |
| HR2700           | DIGI:DI35 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2701           | DIGI:DI36 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2702           |                         |        |        | HR2701 (Lo-16bits)                  |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2703           | DIGI:DI36 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2704           | DIGI:DI37 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2705           |                         |        |        | HR2704 (Lo-16bits)                  |
| HR2706           | DIGI:DI37 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2707           | DIGI:DI38 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2708           |                         |        |        | HR2707 (Lo-16bits)                  |
| HR2709           | DIGI:DI38 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2710           | DIGI:DI39 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2711           |                         |        |        | HR2710 (Lo-16bits)                  |
| HR2712           | DIGI:DI39 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2713           | DIGI:DI40 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2714           |                         |        |        | HR2713 (Lo-16bits)                  |
| HR2715           | DIGI:DI40 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2716           | DIGI:DI41 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2717           |                         |        |        | HR2716 (Lo-16bits)                  |
| HR2718           | DIGI:DI41 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2719           | DIGI:DI42 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2720           |                         |        |        | HR2719 (Lo-16bits)                  |
| HR2721           | DIGI:DI42 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2722           | DIGI:DI43 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2723           |                         |        |        | HR2722 (Lo-16bits)                  |
| HR2724           | DIGI:DI43 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2725           | DIGI:DI44 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2726           |                         |        |        | HR2725 (Lo-16bits)                  |
| HR2727           | DIGI:DI44 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2728           | DIGI:DI45 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2729           |                         |        |        | HR2728 (Lo-16bits)                  |
| HR2730           | DIGI:DI45 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2731           | DIGI:DI46 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2732           |                         |        |        | HR2731 (Lo-16bits)                  |

| Holding Register | Parameter                 | Access | Length |                                     |
|------------------|---------------------------|--------|--------|-------------------------------------|
| HR2733           | DIGI:DI46 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2734           | DIGI:DI47 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2735           |                           |        |        | HR2734 (Lo-16bits)                  |
| HR2736           | DIGI:DI47 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2737           | DIGI:DI48 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2738           |                           |        |        | HR2737 (Lo-16bits)                  |
| HR2739           | DIGI:DI48 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2740           | DIGI:DI49 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2741           |                           |        |        | HR2740 (Lo-16bits)                  |
| HR2742           | DIGI:DI49 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2743           | DIGI:DI50 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2744           |                           |        |        | HR2743 (Lo-16bits)                  |
| HR2745           | DIGI:DI50 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2746           | DIGI:DI51 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2747           |                           |        |        | HR2746 (Lo-16bits)                  |
| HR2748           | DIGI:DI51 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2749           | RHC1:Start count          | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2750           |                           |        |        | HR2749 (Lo-16bits)                  |
| HR2751           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2752           |                           |        |        | HR2751 (Lo-16bits)                  |
| HR2753           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2754           |                           |        |        | HR2753 (Lo-16bits)                  |
| HR2755           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2756           |                           |        |        | HR2755 (Lo-16bits)                  |
| HR2757           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2758           |                           |        |        | HR2757 (Lo-16bits)                  |
| HR2759           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2760           |                           |        |        | HR2759 (Lo-16bits)                  |
| HR2761           | NOC1:Pick-up setting Iset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2762           |                           |        |        | HR2761 (Lo-16bits)                  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2763           | NOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2764           |                                              |        |        | HR2763 (Lo-16bits)           |
| HR2765           | NOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2766           |                                              |        |        | HR2765 (Lo-16bits)           |
| HR2767           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2768           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2769           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2770           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2771           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2772           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2773           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2774           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2775           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2776           |                                              |        |        | HR2775 (Lo-16bits)           |
| HR2777           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2778           |                                              |        |        | HR2777 (Lo-16bits)           |
| HR2779           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2780           |                                              |        |        | HR2779 (Lo-16bits)           |
| HR2781           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2782           |                                              |        |        | HR2781 (Lo-16bits)           |
| HR2783           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2784           |                                              |        |        | HR2783 (Lo-16bits)           |
| HR2785           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2786           |                                              |        |        | HR2785 (Lo-16bits)           |
| HR2787           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2788           |                                              |        |        | HR2787 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2789           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2790           |                                              |        |        | HR2789 (Lo-16bits)                                          |
| HR2791           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2792           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2793           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2794           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2795           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2796           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2797           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2798           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2799           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2800           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2801           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2802           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2803           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2804           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2805           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2806           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2807           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2808           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2809           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2810           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2811           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR2812           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2813           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2814           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2815           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2816           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2817           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2818           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2819           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2820           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2821           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2822           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2823           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2824           |                               |        |        | HR2823 (Lo-16bits)                                          |
| HR2825           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2826           |                               |        |        | HR2825 (Lo-16bits)                                          |
| HR2827           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2828           |                               |        |        | HR2827 (Lo-16bits)                                          |
| HR2829           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2830           |                               |        |        | HR2829 (Lo-16bits)                                          |
| HR2831           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2832           |                               |        |        | HR2831 (Lo-16bits)                                          |
| HR2833           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2834           |                               |        |        | HR2833 (Lo-16bits)                                          |
| HR2835           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2836           |                               |        |        | HR2835 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR2837           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2838           |                          |        |        | HR2837 (Lo-16bits)            |
| HR2839           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2840           |                          |        |        | HR2839 (Lo-16bits)            |
| HR2841           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2842           |                          |        |        | HR2841 (Lo-16bits)            |
| HR2843           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2844           |                          |        |        | HR2843 (Lo-16bits)            |
| HR2845           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2846           |                          |        |        | HR2845 (Lo-16bits)            |
| HR2847           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2848           |                          |        |        | HR2847 (Lo-16bits)            |
| HR2849           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2850           |                          |        |        | HR2849 (Lo-16bits)            |
| HR2851           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2852           |                          |        |        | HR2851 (Lo-16bits)            |
| HR2853           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2854           |                          |        |        | HR2853 (Lo-16bits)            |
| HR2855           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2856           |                          |        |        | HR2855 (Lo-16bits)            |
| HR2857           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2858           |                          |        |        | HR2857 (Lo-16bits)            |
| HR2859           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2860           |                          |        |        | HR2859 (Lo-16bits)            |
| HR2861           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2862           |                          |        |        | HR2861 (Lo-16bits)            |
| HR2863           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2864           |                          |        |        | HR2863 (Lo-16bits)            |
| HR2865           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2866           |                          |        |        | HR2865 (Lo-16bits)            |



| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR2867           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2868           |                                                    |        |        | HR2867 (Lo-16bits)          |
| HR2869           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2870           |                                                    |        |        | HR2869 (Lo-16bits)          |
| HR2871           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2872           |                                                    |        |        | HR2871 (Lo-16bits)          |
| HR2873           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2874           |                                                    |        |        | HR2873 (Lo-16bits)          |
| HR2875           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2876           |                                                    |        |        | HR2875 (Lo-16bits)          |
| HR2877           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2878           |                                                    |        |        | HR2877 (Lo-16bits)          |
| HR2879           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2880           |                                                    |        |        | HR2879 (Lo-16bits)          |
| HR2881           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2882           |                                                    |        |        | HR2881 (Lo-16bits)          |
| HR2883           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2884           |                                                    |        |        | HR2883 (Lo-16bits)          |
| HR2885           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2886           |                                                    |        |        | HR2885 (Lo-16bits)          |
| HR2887           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2888           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2889           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2890           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2891           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2892           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2893           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2894           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR2895           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2896           |                                                    |        |        | HR2895 (Lo-16bits)           |
| HR2897           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2898           |                                                    |        |        | HR2897 (Lo-16bits)           |
| HR2899           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2900           |                                                    |        |        | HR2899 (Lo-16bits)           |
| HR2901           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2902           |                                                    |        |        | HR2901 (Lo-16bits)           |
| HR2903           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2904           |                                                    |        |        | HR2903 (Lo-16bits)           |
| HR2905           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2906           |                                                    |        |        | HR2905 (Lo-16bits)           |
| HR2907           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2908           |                                                    |        |        | HR2907 (Lo-16bits)           |
| HR2909           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2910           |                                                    |        |        | HR2909 (Lo-16bits)           |
| HR2911           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2912           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2913           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2914           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2915           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2916           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR2917           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2918           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2919           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2920           |                                            |        |        | HR2919 (Lo-16bits)          |
| HR2921           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2922           |                                            |        |        | HR2921 (Lo-16bits)          |
| HR2923           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2924           |                                            |        |        | HR2923 (Lo-16bits)          |
| HR2925           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2926           |                                            |        |        | HR2925 (Lo-16bits)          |
| HR2927           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2928           |                                            |        |        | HR2927 (Lo-16bits)          |
| HR2929           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2930           |                                            |        |        | HR2929 (Lo-16bits)          |
| HR2931           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2932           |                                            |        |        | HR2931 (Lo-16bits)          |
| HR2933           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2934           |                                            |        |        | HR2933 (Lo-16bits)          |
| HR2935           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2936           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2937           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2938           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2939           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2940           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2941           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2942           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2943           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2944           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2945           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2946           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2947           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2948           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2949           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2950           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2951           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2952           |                                                    |        |        | HR2951 (Lo-16bits)           |
| HR2953           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2954           |                                                    |        |        | HR2953 (Lo-16bits)           |
| HR2955           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2956           |                                                    |        |        | HR2955 (Lo-16bits)           |
| HR2957           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2958           |                                                    |        |        | HR2957 (Lo-16bits)           |
| HR2959           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2960           |                                                    |        |        | HR2959 (Lo-16bits)           |
| HR2961           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2962           |                                                    |        |        | HR2961 (Lo-16bits)           |
| HR2963           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2964           |                                              |        |        | HR2963 (Lo-16bits)           |
| HR2965           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2966           |                                              |        |        | HR2965 (Lo-16bits)           |
| HR2967           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2968           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2969           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2970           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2971           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2972           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2973           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2974           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2975           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2976           |                                              |        |        | HR2975 (Lo-16bits)           |
| HR2977           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2978           |                                              |        |        | HR2977 (Lo-16bits)           |
| HR2979           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2980           |                                              |        |        | HR2979 (Lo-16bits)           |
| HR2981           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2982           |                                              |        |        | HR2981 (Lo-16bits)           |
| HR2983           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2984           |                                              |        |        | HR2983 (Lo-16bits)           |
| HR2985           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2986           |                                              |        |        | HR2985 (Lo-16bits)           |
| HR2987           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2988           |                                              |        |        | HR2987 (Lo-16bits)           |
| HR2989           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR2990           |                                |        |        | HR2989 (Lo-16bits)                                          |
| HR2991           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2992           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2993           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2994           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2995           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2996           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2997           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2998           | NOC2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2999           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3000           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3001           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3002           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3003           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3004           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3005           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3006           | NOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3007           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3008           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3009           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3010           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3011           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3012           | NOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3013           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3014           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3015           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3016           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3017           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3018           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3019           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3020           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3021           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3022           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3023           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3024           |                               |        |        | HR3023 (Lo-16bits)                                          |
| HR3025           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3026           |                               |        |        | HR3025 (Lo-16bits)                                          |
| HR3027           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3028           |                               |        |        | HR3027 (Lo-16bits)                                          |
| HR3029           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3030           |                               |        |        | HR3029 (Lo-16bits)                                          |
| HR3031           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3032           |                               |        |        | HR3031 (Lo-16bits)                                          |
| HR3033           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3034           |                               |        |        | HR3033 (Lo-16bits)                                          |
| HR3035           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3036           |                               |        |        | HR3035 (Lo-16bits)                                          |
| HR3037           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3038           |                    |        |        | HR3037 (Lo-16bits)          |
| HR3039           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3040           |                    |        |        | HR3039 (Lo-16bits)          |
| HR3041           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3042           |                    |        |        | HR3041 (Lo-16bits)          |
| HR3043           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3044           |                    |        |        | HR3043 (Lo-16bits)          |
| HR3045           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3046           |                    |        |        | HR3045 (Lo-16bits)          |
| HR3047           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3048           |                    |        |        | HR3047 (Lo-16bits)          |
| HR3049           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3050           |                    |        |        | HR3049 (Lo-16bits)          |
| HR3051           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3052           |                    |        |        | HR3051 (Lo-16bits)          |
| HR3053           | NOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3054           |                    |        |        | HR3053 (Lo-16bits)          |
| HR3055           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3056           |                    |        |        | HR3055 (Lo-16bits)          |
| HR3057           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3058           |                    |        |        | HR3057 (Lo-16bits)          |
| HR3059           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3060           |                    |        |        | HR3059 (Lo-16bits)          |
| HR3061           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3062           |                    |        |        | HR3061 (Lo-16bits)          |
| HR3063           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3064           |                    |        |        | HR3063 (Lo-16bits)          |
| HR3065           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3066           |                    |        |        | HR3065 (Lo-16bits)          |
| HR3067           | NOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |



| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3068           |                                                    |        |        | HR3067 (Lo-16bits)          |
| HR3069           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3070           |                                                    |        |        | HR3069 (Lo-16bits)          |
| HR3071           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3072           |                                                    |        |        | HR3071 (Lo-16bits)          |
| HR3073           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3074           |                                                    |        |        | HR3073 (Lo-16bits)          |
| HR3075           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3076           |                                                    |        |        | HR3075 (Lo-16bits)          |
| HR3077           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3078           |                                                    |        |        | HR3077 (Lo-16bits)          |
| HR3079           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3080           |                                                    |        |        | HR3079 (Lo-16bits)          |
| HR3081           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3082           |                                                    |        |        | HR3081 (Lo-16bits)          |
| HR3083           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3084           |                                                    |        |        | HR3083 (Lo-16bits)          |
| HR3085           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3086           |                                                    |        |        | HR3085 (Lo-16bits)          |
| HR3087           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3088           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3089           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3090           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3091           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3092           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3093           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3094           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3095           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3096           |                                                    |        |        | HR3095 (Lo-16bits)           |
| HR3097           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3098           |                                                    |        |        | HR3097 (Lo-16bits)           |
| HR3099           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3100           |                                                    |        |        | HR3099 (Lo-16bits)           |
| HR3101           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3102           |                                                    |        |        | HR3101 (Lo-16bits)           |
| HR3103           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3104           |                                                    |        |        | HR3103 (Lo-16bits)           |
| HR3105           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3106           |                                                    |        |        | HR3105 (Lo-16bits)           |
| HR3107           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3108           |                                                    |        |        | HR3107 (Lo-16bits)           |
| HR3109           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3110           |                                                    |        |        | HR3109 (Lo-16bits)           |
| HR3111           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3112           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3113           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3114           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3115           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3116           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3117           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3118           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3119           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3120           |                                            |        |        | HR3119 (Lo-16bits)          |
| HR3121           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3122           |                                            |        |        | HR3121 (Lo-16bits)          |
| HR3123           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3124           |                                            |        |        | HR3123 (Lo-16bits)          |
| HR3125           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3126           |                                            |        |        | HR3125 (Lo-16bits)          |
| HR3127           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3128           |                                            |        |        | HR3127 (Lo-16bits)          |
| HR3129           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3130           |                                            |        |        | HR3129 (Lo-16bits)          |
| HR3131           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3132           |                                            |        |        | HR3131 (Lo-16bits)          |
| HR3133           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3134           |                                            |        |        | HR3133 (Lo-16bits)          |
| HR3135           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3136           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3137           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3138           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3139           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3140           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3141           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3142           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3143           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3144           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3145           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3146           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3147           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3148           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3149           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3150           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3151           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3152           |                                                    |        |        | HR3151 (Lo-16bits)           |
| HR3153           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3154           |                                                    |        |        | HR3153 (Lo-16bits)           |
| HR3155           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3156           |                                                    |        |        | HR3155 (Lo-16bits)           |
| HR3157           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3158           |                                                    |        |        | HR3157 (Lo-16bits)           |
| HR3159           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3160           |                                                    |        |        | HR3159 (Lo-16bits)           |
| HR3161           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3162           |                                                    |        |        | HR3161 (Lo-16bits)           |
| HR3163           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3164           |                                              |        |        | HR3163 (Lo-16bits)           |
| HR3165           | NOC3:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3166           |                                              |        |        | HR3165 (Lo-16bits)           |
| HR3167           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3168           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3169           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3170           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3171           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3172           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3173           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3174           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3175           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3176           |                                              |        |        | HR3175 (Lo-16bits)           |
| HR3177           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3178           |                                              |        |        | HR3177 (Lo-16bits)           |
| HR3179           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3180           |                                              |        |        | HR3179 (Lo-16bits)           |
| HR3181           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3182           |                                              |        |        | HR3181 (Lo-16bits)           |
| HR3183           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3184           |                                              |        |        | HR3183 (Lo-16bits)           |
| HR3185           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3186           |                                              |        |        | HR3185 (Lo-16bits)           |
| HR3187           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3188           |                                              |        |        | HR3187 (Lo-16bits)           |
| HR3189           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3190           |                                |        |        | HR3189 (Lo-16bits)                                          |
| HR3191           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3192           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3193           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3194           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3195           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3196           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3197           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3198           | NOC3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3199           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3200           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3201           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3202           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3203           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3204           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3205           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3206           | NOC3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3207           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3208           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3209           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3210           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3211           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3212           | NOC3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3213           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3214           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3215           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3216           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3217           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3218           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3219           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3220           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3221           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3222           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3223           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3224           |                               |        |        | HR3223 (Lo-16bits)                                          |
| HR3225           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3226           |                               |        |        | HR3225 (Lo-16bits)                                          |
| HR3227           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3228           |                               |        |        | HR3227 (Lo-16bits)                                          |
| HR3229           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3230           |                               |        |        | HR3229 (Lo-16bits)                                          |
| HR3231           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3232           |                               |        |        | HR3231 (Lo-16bits)                                          |
| HR3233           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3234           |                               |        |        | HR3233 (Lo-16bits)                                          |
| HR3235           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3236           |                               |        |        | HR3235 (Lo-16bits)                                          |
| HR3237           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3238           |                    |        |        | HR3237 (Lo-16bits)          |
| HR3239           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3240           |                    |        |        | HR3239 (Lo-16bits)          |
| HR3241           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3242           |                    |        |        | HR3241 (Lo-16bits)          |
| HR3243           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3244           |                    |        |        | HR3243 (Lo-16bits)          |
| HR3245           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3246           |                    |        |        | HR3245 (Lo-16bits)          |
| HR3247           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3248           |                    |        |        | HR3247 (Lo-16bits)          |
| HR3249           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3250           |                    |        |        | HR3249 (Lo-16bits)          |
| HR3251           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3252           |                    |        |        | HR3251 (Lo-16bits)          |
| HR3253           | NOC3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3254           |                    |        |        | HR3253 (Lo-16bits)          |
| HR3255           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3256           |                    |        |        | HR3255 (Lo-16bits)          |
| HR3257           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3258           |                    |        |        | HR3257 (Lo-16bits)          |
| HR3259           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3260           |                    |        |        | HR3259 (Lo-16bits)          |
| HR3261           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3262           |                    |        |        | HR3261 (Lo-16bits)          |
| HR3263           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3264           |                    |        |        | HR3263 (Lo-16bits)          |
| HR3265           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3266           |                    |        |        | HR3265 (Lo-16bits)          |
| HR3267           | NOC3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |



| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3268           |                                                    |        |        | HR3267 (Lo-16bits)          |
| HR3269           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3270           |                                                    |        |        | HR3269 (Lo-16bits)          |
| HR3271           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3272           |                                                    |        |        | HR3271 (Lo-16bits)          |
| HR3273           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3274           |                                                    |        |        | HR3273 (Lo-16bits)          |
| HR3275           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3276           |                                                    |        |        | HR3275 (Lo-16bits)          |
| HR3277           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3278           |                                                    |        |        | HR3277 (Lo-16bits)          |
| HR3279           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3280           |                                                    |        |        | HR3279 (Lo-16bits)          |
| HR3281           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3282           |                                                    |        |        | HR3281 (Lo-16bits)          |
| HR3283           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3284           |                                                    |        |        | HR3283 (Lo-16bits)          |
| HR3285           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3286           |                                                    |        |        | HR3285 (Lo-16bits)          |
| HR3287           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3288           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3289           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3290           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3291           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3292           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3293           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3294           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3295           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3296           |                                                    |        |        | HR3295 (Lo-16bits)           |
| HR3297           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3298           |                                                    |        |        | HR3297 (Lo-16bits)           |
| HR3299           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3300           |                                                    |        |        | HR3299 (Lo-16bits)           |
| HR3301           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3302           |                                                    |        |        | HR3301 (Lo-16bits)           |
| HR3303           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3304           |                                                    |        |        | HR3303 (Lo-16bits)           |
| HR3305           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3306           |                                                    |        |        | HR3305 (Lo-16bits)           |
| HR3307           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3308           |                                                    |        |        | HR3307 (Lo-16bits)           |
| HR3309           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3310           |                                                    |        |        | HR3309 (Lo-16bits)           |
| HR3311           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3312           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3313           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3314           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3315           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3316           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3317           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3318           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3319           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3320           |                                            |        |        | HR3319 (Lo-16bits)          |
| HR3321           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3322           |                                            |        |        | HR3321 (Lo-16bits)          |
| HR3323           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3324           |                                            |        |        | HR3323 (Lo-16bits)          |
| HR3325           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3326           |                                            |        |        | HR3325 (Lo-16bits)          |
| HR3327           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3328           |                                            |        |        | HR3327 (Lo-16bits)          |
| HR3329           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3330           |                                            |        |        | HR3329 (Lo-16bits)          |
| HR3331           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3332           |                                            |        |        | HR3331 (Lo-16bits)          |
| HR3333           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3334           |                                            |        |        | HR3333 (Lo-16bits)          |
| HR3335           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3336           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3337           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3338           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3339           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3340           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3341           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3342           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3343           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3344           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3345           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3346           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3347           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3348           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3349           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3350           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3351           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3352           |                                                    |        |        | HR3351 (Lo-16bits)           |
| HR3353           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3354           |                                                    |        |        | HR3353 (Lo-16bits)           |
| HR3355           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3356           |                                                    |        |        | HR3355 (Lo-16bits)           |
| HR3357           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3358           |                                                    |        |        | HR3357 (Lo-16bits)           |
| HR3359           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3360           |                                                    |        |        | HR3359 (Lo-16bits)           |
| HR3361           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3362           |                                                    |        |        | HR3361 (Lo-16bits)           |
| HR3363           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3364           |                                              |        |        | HR3363 (Lo-16bits)           |
| HR3365           | NOC4:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3366           |                                              |        |        | HR3365 (Lo-16bits)           |
| HR3367           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3368           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3369           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3370           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3371           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3372           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3373           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3374           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3375           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3376           |                                              |        |        | HR3375 (Lo-16bits)           |
| HR3377           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3378           |                                              |        |        | HR3377 (Lo-16bits)           |
| HR3379           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3380           |                                              |        |        | HR3379 (Lo-16bits)           |
| HR3381           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3382           |                                              |        |        | HR3381 (Lo-16bits)           |
| HR3383           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3384           |                                              |        |        | HR3383 (Lo-16bits)           |
| HR3385           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3386           |                                              |        |        | HR3385 (Lo-16bits)           |
| HR3387           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3388           |                                              |        |        | HR3387 (Lo-16bits)           |
| HR3389           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3390           |                                |        |        | HR3389 (Lo-16bits)                                          |
| HR3391           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3392           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3393           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3394           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3395           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3396           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3397           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3398           | NOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3399           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3400           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3401           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3402           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3403           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3404           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3405           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3406           | NOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3407           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3408           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3409           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3410           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3411           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3412           | NOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3413           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3414           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3415           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3416           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3417           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3418           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3419           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3420           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3421           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3422           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3423           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3424           |                               |        |        | HR3423 (Lo-16bits)                                          |
| HR3425           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3426           |                               |        |        | HR3425 (Lo-16bits)                                          |
| HR3427           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3428           |                               |        |        | HR3427 (Lo-16bits)                                          |
| HR3429           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3430           |                               |        |        | HR3429 (Lo-16bits)                                          |
| HR3431           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3432           |                               |        |        | HR3431 (Lo-16bits)                                          |
| HR3433           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3434           |                               |        |        | HR3433 (Lo-16bits)                                          |
| HR3435           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3436           |                               |        |        | HR3435 (Lo-16bits)                                          |
| HR3437           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3438           |                    |        |        | HR3437 (Lo-16bits)          |
| HR3439           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3440           |                    |        |        | HR3439 (Lo-16bits)          |
| HR3441           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3442           |                    |        |        | HR3441 (Lo-16bits)          |
| HR3443           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3444           |                    |        |        | HR3443 (Lo-16bits)          |
| HR3445           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3446           |                    |        |        | HR3445 (Lo-16bits)          |
| HR3447           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3448           |                    |        |        | HR3447 (Lo-16bits)          |
| HR3449           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3450           |                    |        |        | HR3449 (Lo-16bits)          |
| HR3451           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3452           |                    |        |        | HR3451 (Lo-16bits)          |
| HR3453           | NOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3454           |                    |        |        | HR3453 (Lo-16bits)          |
| HR3455           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3456           |                    |        |        | HR3455 (Lo-16bits)          |
| HR3457           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3458           |                    |        |        | HR3457 (Lo-16bits)          |
| HR3459           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3460           |                    |        |        | HR3459 (Lo-16bits)          |
| HR3461           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3462           |                    |        |        | HR3461 (Lo-16bits)          |
| HR3463           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3464           |                    |        |        | HR3463 (Lo-16bits)          |
| HR3465           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3466           |                    |        |        | HR3465 (Lo-16bits)          |
| HR3467           | NOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |



| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3468           |                                                    |        |        | HR3467 (Lo-16bits)          |
| HR3469           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3470           |                                                    |        |        | HR3469 (Lo-16bits)          |
| HR3471           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3472           |                                                    |        |        | HR3471 (Lo-16bits)          |
| HR3473           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3474           |                                                    |        |        | HR3473 (Lo-16bits)          |
| HR3475           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3476           |                                                    |        |        | HR3475 (Lo-16bits)          |
| HR3477           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3478           |                                                    |        |        | HR3477 (Lo-16bits)          |
| HR3479           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3480           |                                                    |        |        | HR3479 (Lo-16bits)          |
| HR3481           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3482           |                                                    |        |        | HR3481 (Lo-16bits)          |
| HR3483           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3484           |                                                    |        |        | HR3483 (Lo-16bits)          |
| HR3485           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3486           |                                                    |        |        | HR3485 (Lo-16bits)          |
| HR3487           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3488           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3489           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3490           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3491           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3492           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3493           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3494           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3495           | NOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3496           |                                                    |        |        | HR3495 (Lo-16bits)           |
| HR3497           | NOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3498           |                                                    |        |        | HR3497 (Lo-16bits)           |
| HR3499           | NOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3500           |                                                    |        |        | HR3499 (Lo-16bits)           |
| HR3501           | NOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3502           |                                                    |        |        | HR3501 (Lo-16bits)           |
| HR3503           | NOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3504           |                                                    |        |        | HR3503 (Lo-16bits)           |
| HR3505           | NOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3506           |                                                    |        |        | HR3505 (Lo-16bits)           |
| HR3507           | NOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3508           |                                                    |        |        | HR3507 (Lo-16bits)           |
| HR3509           | NOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3510           |                                                    |        |        | HR3509 (Lo-16bits)           |
| HR3511           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3512           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3513           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3514           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3515           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3516           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3517           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3518           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3519           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3520           |                                            |        |        | HR3519 (Lo-16bits)          |
| HR3521           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3522           |                                            |        |        | HR3521 (Lo-16bits)          |
| HR3523           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3524           |                                            |        |        | HR3523 (Lo-16bits)          |
| HR3525           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3526           |                                            |        |        | HR3525 (Lo-16bits)          |
| HR3527           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3528           |                                            |        |        | HR3527 (Lo-16bits)          |
| HR3529           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3530           |                                            |        |        | HR3529 (Lo-16bits)          |
| HR3531           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3532           |                                            |        |        | HR3531 (Lo-16bits)          |
| HR3533           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3534           |                                            |        |        | HR3533 (Lo-16bits)          |
| HR3535           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3536           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3537           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3538           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3539           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3540           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3541           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR3542           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3543           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3544           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3545           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3546           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3547           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3548           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3549           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3550           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3551           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3552           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3553           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3554           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3555           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3556           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3557           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3558           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3559           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3560           |                                  |        |        | HR3559 (Lo-16bits)             |
| HR3561           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3562           |                                  |        |        | HR3561 (Lo-16bits)             |
| HR3563           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3564           |                                  |        |        | HR3563 (Lo-16bits)             |
| HR3565           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3566           |                                  |        |        | HR3565 (Lo-16bits)             |
| HR3567           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3568           |                                  |        |        | HR3567 (Lo-16bits)             |
| HR3569           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3570           |                                  |        |        | HR3569 (Lo-16bits)             |
| HR3571           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3572           |                                  |        |        | HR3571 (Lo-16bits)             |
| HR3573           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3574           |                                  |        |        | HR3573 (Lo-16bits)             |
| HR3575           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3576           |                                  |        |        | HR3575 (Lo-16bits)             |
| HR3577           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3578           |                                  |        |        | HR3577 (Lo-16bits)             |
| HR3579           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3580           |                                  |        |        | HR3579 (Lo-16bits)             |
| HR3581           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3582           |                                  |        |        | HR3581 (Lo-16bits)             |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR3583           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3584           |                              |        |        | HR3583 (Lo-16bits)             |
| HR3585           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3586           |                              |        |        | HR3585 (Lo-16bits)             |
| HR3587           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3588           |                              |        |        | HR3587 (Lo-16bits)             |
| HR3589           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3590           |                              |        |        | HR3589 (Lo-16bits)             |
| HR3591           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3592           |                              |        |        | HR3591 (Lo-16bits)             |
| HR3593           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3594           |                              |        |        | HR3593 (Lo-16bits)             |
| HR3595           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3596           |                              |        |        | HR3595 (Lo-16bits)             |
| HR3597           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3598           |                              |        |        | HR3597 (Lo-16bits)             |
| HR3599           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3600           |                              |        |        | HR3599 (Lo-16bits)             |
| HR3601           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3602           |                              |        |        | HR3601 (Lo-16bits)             |
| HR3603           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3604           |                              |        |        | HR3603 (Lo-16bits)             |
| HR3605           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3606           |                              |        |        | HR3605 (Lo-16bits)             |
| HR3607           | DOC1:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3608           | DOC1:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3609           | DOC1:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3610           | DOC1:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3611           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3612           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3613           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3614           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3615           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3616           |                                              |        |        | HR3615 (Lo-16bits)           |
| HR3617           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3618           |                                              |        |        | HR3617 (Lo-16bits)           |
| HR3619           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3620           |                                              |        |        | HR3619 (Lo-16bits)           |
| HR3621           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3622           |                                              |        |        | HR3621 (Lo-16bits)           |
| HR3623           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3624           |                                              |        |        | HR3623 (Lo-16bits)           |
| HR3625           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3626           |                                              |        |        | HR3625 (Lo-16bits)           |
| HR3627           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3628           |                                              |        |        | HR3627 (Lo-16bits)           |
| HR3629           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3630           |                                              |        |        | HR3629 (Lo-16bits)           |
| HR3631           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3632           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3633           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3634           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3635           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3636           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3637           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3638           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3639           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3640           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3641           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3642           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3643           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3644           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3645           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3646           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3647           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3648           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3649           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3650           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3651           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3652           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3653           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3654           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3655           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3656           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3657           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |



| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR3658           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3659           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3660           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3661           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3662           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3663           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3664           |                               |        |        | HR3663 (Lo-16bits)            |
| HR3665           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3666           |                               |        |        | HR3665 (Lo-16bits)            |
| HR3667           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3668           |                               |        |        | HR3667 (Lo-16bits)            |
| HR3669           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3670           |                               |        |        | HR3669 (Lo-16bits)            |
| HR3671           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3672           |                               |        |        | HR3671 (Lo-16bits)            |
| HR3673           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3674           |                               |        |        | HR3673 (Lo-16bits)            |
| HR3675           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3676           |                               |        |        | HR3675 (Lo-16bits)            |
| HR3677           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3678           |                               |        |        | HR3677 (Lo-16bits)            |
| HR3679           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3680           |                               |        |        | HR3679 (Lo-16bits)            |
| HR3681           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3682           |                               |        |        | HR3681 (Lo-16bits)            |
| HR3683           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3684           |                               |        |        | HR3683 (Lo-16bits)            |
| HR3685           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3686           |                    |        |        | HR3685 (Lo-16bits)          |
| HR3687           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3688           |                    |        |        | HR3687 (Lo-16bits)          |
| HR3689           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3690           |                    |        |        | HR3689 (Lo-16bits)          |
| HR3691           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3692           |                    |        |        | HR3691 (Lo-16bits)          |
| HR3693           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3694           |                    |        |        | HR3693 (Lo-16bits)          |
| HR3695           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3696           |                    |        |        | HR3695 (Lo-16bits)          |
| HR3697           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3698           |                    |        |        | HR3697 (Lo-16bits)          |
| HR3699           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3700           |                    |        |        | HR3699 (Lo-16bits)          |
| HR3701           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3702           |                    |        |        | HR3701 (Lo-16bits)          |
| HR3703           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3704           |                    |        |        | HR3703 (Lo-16bits)          |
| HR3705           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3706           |                    |        |        | HR3705 (Lo-16bits)          |
| HR3707           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3708           |                    |        |        | HR3707 (Lo-16bits)          |
| HR3709           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3710           |                    |        |        | HR3709 (Lo-16bits)          |
| HR3711           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3712           |                    |        |        | HR3711 (Lo-16bits)          |
| HR3713           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3714           |                    |        |        | HR3713 (Lo-16bits)          |
| HR3715           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3716           |                                                                         |        |        | HR3715 (Lo-16bits)           |
| HR3717           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3718           |                                                                         |        |        | HR3717 (Lo-16bits)           |
| HR3719           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3720           |                                                                         |        |        | HR3719 (Lo-16bits)           |
| HR3721           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3722           |                                                                         |        |        | HR3721 (Lo-16bits)           |
| HR3723           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3724           |                                                                         |        |        | HR3723 (Lo-16bits)           |
| HR3725           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3726           |                                                                         |        |        | HR3725 (Lo-16bits)           |
| HR3727           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3728           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3729           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3730           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3731           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3732           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3733           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3734           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3735           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3736           |                                                                         |        |        | HR3735 (Lo-16bits)           |
| HR3737           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3738           |                                                                         |        |        | HR3737 (Lo-16bits)           |
| HR3739           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3740           |                                                                         |        |        | HR3739 (Lo-16bits)           |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3741           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3742           |                                                                         |        |        | HR3741 (Lo-16bits)           |
| HR3743           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3744           |                                                                         |        |        | HR3743 (Lo-16bits)           |
| HR3745           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3746           |                                                                         |        |        | HR3745 (Lo-16bits)           |
| HR3747           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3748           |                                                                         |        |        | HR3747 (Lo-16bits)           |
| HR3749           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3750           |                                                                         |        |        | HR3749 (Lo-16bits)           |
| HR3751           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3752           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3753           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3754           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3755           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3756           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3757           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3758           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3759           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3760           |                                                                         |        |        | HR3759 (Lo-16bits)           |
| HR3761           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3762           |                                                                         |        |        | HR3761 (Lo-16bits)           |
| HR3763           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3764           |                                                                         |        |        | HR3763 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3765           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3766           |                                                    |        |        | HR3765 (Lo-16bits)          |
| HR3767           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3768           |                                                    |        |        | HR3767 (Lo-16bits)          |
| HR3769           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3770           |                                                    |        |        | HR3769 (Lo-16bits)          |
| HR3771           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3772           |                                                    |        |        | HR3771 (Lo-16bits)          |
| HR3773           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3774           |                                                    |        |        | HR3773 (Lo-16bits)          |
| HR3775           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3776           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3777           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3778           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3779           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3780           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3781           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3782           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3783           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3784           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3785           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3786           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3787           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3788           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3789           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3790           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3791           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3792           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3793           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3794           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3795           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3796           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3797           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3798           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3799           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3800           |                                                    |        |        | HR3799 (Lo-16bits)          |
| HR3801           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3802           |                                                    |        |        | HR3801 (Lo-16bits)          |
| HR3803           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3804           |                                                    |        |        | HR3803 (Lo-16bits)          |
| HR3805           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3806           |                                                    |        |        | HR3805 (Lo-16bits)          |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3807           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3808           |                                  |        |        | HR3807 (Lo-16bits)             |
| HR3809           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3810           |                                  |        |        | HR3809 (Lo-16bits)             |
| HR3811           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3812           |                                  |        |        | HR3811 (Lo-16bits)             |
| HR3813           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3814           |                                  |        |        | HR3813 (Lo-16bits)             |
| HR3815           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3816           |                                  |        |        | HR3815 (Lo-16bits)             |
| HR3817           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3818           |                                  |        |        | HR3817 (Lo-16bits)             |
| HR3819           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3820           |                                  |        |        | HR3819 (Lo-16bits)             |
| HR3821           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3822           |                                  |        |        | HR3821 (Lo-16bits)             |
| HR3823           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3824           |                                  |        |        | HR3823 (Lo-16bits)             |
| HR3825           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3826           |                                  |        |        | HR3825 (Lo-16bits)             |
| HR3827           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3828           |                                  |        |        | HR3827 (Lo-16bits)             |
| HR3829           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3830           |                                  |        |        | HR3829 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3831           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3832           |                                              |        |        | HR3831 (Lo-16bits)           |
| HR3833           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3834           |                                              |        |        | HR3833 (Lo-16bits)           |
| HR3835           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3836           |                                              |        |        | HR3835 (Lo-16bits)           |
| HR3837           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3838           |                                              |        |        | HR3837 (Lo-16bits)           |
| HR3839           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3840           |                                              |        |        | HR3839 (Lo-16bits)           |
| HR3841           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3842           |                                              |        |        | HR3841 (Lo-16bits)           |
| HR3843           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3844           |                                              |        |        | HR3843 (Lo-16bits)           |
| HR3845           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3846           |                                              |        |        | HR3845 (Lo-16bits)           |
| HR3847           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3848           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3849           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3850           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3851           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3852           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3853           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3854           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3855           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3856           |                                              |        |        | HR3855 (Lo-16bits)           |
| HR3857           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3858           |                                              |        |        | HR3857 (Lo-16bits)           |
| HR3859           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3860           |                                              |        |        | HR3859 (Lo-16bits)           |
| HR3861           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3862           |                                              |        |        | HR3861 (Lo-16bits)           |
| HR3863           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3864           |                                              |        |        | HR3863 (Lo-16bits)           |
| HR3865           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3866           |                                              |        |        | HR3865 (Lo-16bits)           |
| HR3867           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3868           |                                              |        |        | HR3867 (Lo-16bits)           |
| HR3869           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3870           |                                              |        |        | HR3869 (Lo-16bits)           |
| HR3871           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3872           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3873           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3874           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3875           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3876           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3877           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3878           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3879           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3880           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3881           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3882           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3883           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3884           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3885           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3886           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3887           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3888           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3889           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3890           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3891           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3892           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3893           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3894           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3895           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3896           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3897           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3898           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3899           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3900           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3901           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3902           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3903           | DOC2:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3904           |                                |        |        | HR3903 (Lo-16bits)                                          |
| HR3905           | DOC2:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR3906           |                          |        |        | HR3905 (Lo-16bits)            |
| HR3907           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3908           |                          |        |        | HR3907 (Lo-16bits)            |
| HR3909           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3910           |                          |        |        | HR3909 (Lo-16bits)            |
| HR3911           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3912           |                          |        |        | HR3911 (Lo-16bits)            |
| HR3913           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3914           |                          |        |        | HR3913 (Lo-16bits)            |
| HR3915           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3916           |                          |        |        | HR3915 (Lo-16bits)            |
| HR3917           | DOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3918           |                          |        |        | HR3917 (Lo-16bits)            |
| HR3919           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3920           |                          |        |        | HR3919 (Lo-16bits)            |
| HR3921           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3922           |                          |        |        | HR3921 (Lo-16bits)            |
| HR3923           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3924           |                          |        |        | HR3923 (Lo-16bits)            |
| HR3925           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3926           |                          |        |        | HR3925 (Lo-16bits)            |
| HR3927           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3928           |                          |        |        | HR3927 (Lo-16bits)            |
| HR3929           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3930           |                          |        |        | HR3929 (Lo-16bits)            |
| HR3931           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3932           |                          |        |        | HR3931 (Lo-16bits)            |
| HR3933           | DOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3934           |                          |        |        | HR3933 (Lo-16bits)            |
| HR3935           | DOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3936           |                    |        |        | HR3935 (Lo-16bits)          |
| HR3937           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3938           |                    |        |        | HR3937 (Lo-16bits)          |
| HR3939           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3940           |                    |        |        | HR3939 (Lo-16bits)          |
| HR3941           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3942           |                    |        |        | HR3941 (Lo-16bits)          |
| HR3943           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3944           |                    |        |        | HR3943 (Lo-16bits)          |
| HR3945           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3946           |                    |        |        | HR3945 (Lo-16bits)          |
| HR3947           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3948           |                    |        |        | HR3947 (Lo-16bits)          |
| HR3949           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3950           |                    |        |        | HR3949 (Lo-16bits)          |
| HR3951           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3952           |                    |        |        | HR3951 (Lo-16bits)          |
| HR3953           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3954           |                    |        |        | HR3953 (Lo-16bits)          |
| HR3955           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3956           |                    |        |        | HR3955 (Lo-16bits)          |
| HR3957           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3958           |                    |        |        | HR3957 (Lo-16bits)          |
| HR3959           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3960           |                    |        |        | HR3959 (Lo-16bits)          |
| HR3961           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3962           |                    |        |        | HR3961 (Lo-16bits)          |
| HR3963           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3964           |                    |        |        | HR3963 (Lo-16bits)          |
| HR3965           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3966           |                                                                         |        |        | HR3965 (Lo-16bits)           |
| HR3967           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3968           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3969           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3970           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3971           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3972           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3973           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3974           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3975           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3976           |                                                                         |        |        | HR3975 (Lo-16bits)           |
| HR3977           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3978           |                                                                         |        |        | HR3977 (Lo-16bits)           |
| HR3979           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3980           |                                                                         |        |        | HR3979 (Lo-16bits)           |
| HR3981           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3982           |                                                                         |        |        | HR3981 (Lo-16bits)           |
| HR3983           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3984           |                                                                         |        |        | HR3983 (Lo-16bits)           |
| HR3985           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3986           |                                                                         |        |        | HR3985 (Lo-16bits)           |
| HR3987           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3988           |                                                                         |        |        | HR3987 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR3989           | DOC2:2.nd Harmonic Block Limit (lharm / lfund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3990           |                                                |        |        | HR3989 (Lo-16bits)           |
| HR3991           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3992           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3993           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3994           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3995           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3996           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3997           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3998           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3999           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4000           |                                                |        |        | HR3999 (Lo-16bits)           |
| HR4001           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4002           |                                                |        |        | HR4001 (Lo-16bits)           |
| HR4003           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4004           |                                                |        |        | HR4003 (Lo-16bits)           |
| HR4005           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4006           |                                                |        |        | HR4005 (Lo-16bits)           |
| HR4007           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4008           |                                                |        |        | HR4007 (Lo-16bits)           |
| HR4009           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4010           |                                                |        |        | HR4009 (Lo-16bits)           |
| HR4011           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4012           |                                                |        |        | HR4011 (Lo-16bits)           |
| HR4013           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4014           |                                                |        |        | HR4013 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR4015           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4016           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4017           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4018           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4019           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4020           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4021           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4022           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4023           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4024           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4025           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4026           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4027           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4028           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4029           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4030           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4031           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |

| Holding Register | Parameter                        | Access | Length |                             |
|------------------|----------------------------------|--------|--------|-----------------------------|
| HR4032           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR4033           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR4034           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR4035           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR4036           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR4037           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR4038           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR4039           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR4040           |                                  |        |        | HR4039 (Lo-16bits)          |
| HR4041           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR4042           |                                  |        |        | HR4041 (Lo-16bits)          |
| HR4043           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR4044           |                                  |        |        | HR4043 (Lo-16bits)          |
| HR4045           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR4046           |                                  |        |        | HR4045 (Lo-16bits)          |
| HR4047           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR4048           |                                  |        |        | HR4047 (Lo-16bits)          |
| HR4049           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR4050           |                                  |        |        | HR4049 (Lo-16bits)          |
| HR4051           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR4052           |                                  |        |        | HR4051 (Lo-16bits)          |
| HR4053           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR4054           |                                  |        |        | HR4053 (Lo-16bits)          |



| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR4055           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4056           |                              |        |        | HR4055 (Lo-16bits)             |
| HR4057           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4058           |                              |        |        | HR4057 (Lo-16bits)             |
| HR4059           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4060           |                              |        |        | HR4059 (Lo-16bits)             |
| HR4061           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4062           |                              |        |        | HR4061 (Lo-16bits)             |
| HR4063           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4064           |                              |        |        | HR4063 (Lo-16bits)             |
| HR4065           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4066           |                              |        |        | HR4065 (Lo-16bits)             |
| HR4067           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4068           |                              |        |        | HR4067 (Lo-16bits)             |
| HR4069           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4070           |                              |        |        | HR4069 (Lo-16bits)             |
| HR4071           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4072           |                              |        |        | HR4071 (Lo-16bits)             |
| HR4073           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4074           |                              |        |        | HR4073 (Lo-16bits)             |
| HR4075           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4076           |                              |        |        | HR4075 (Lo-16bits)             |
| HR4077           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4078           |                              |        |        | HR4077 (Lo-16bits)             |
| HR4079           | DOC3:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4080           |                              |        |        | HR4079 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4081           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4082           |                                              |        |        | HR4081 (Lo-16bits)           |
| HR4083           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4084           |                                              |        |        | HR4083 (Lo-16bits)           |
| HR4085           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4086           |                                              |        |        | HR4085 (Lo-16bits)           |
| HR4087           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4088           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4089           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4090           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4091           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4092           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4093           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4094           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4095           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4096           |                                              |        |        | HR4095 (Lo-16bits)           |
| HR4097           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4098           |                                              |        |        | HR4097 (Lo-16bits)           |
| HR4099           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4100           |                                              |        |        | HR4099 (Lo-16bits)           |
| HR4101           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4102           |                                              |        |        | HR4101 (Lo-16bits)           |
| HR4103           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4104           |                                              |        |        | HR4103 (Lo-16bits)           |
| HR4105           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4106           |                                              |        |        | HR4105 (Lo-16bits)           |
| HR4107           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR4108           |                                              |        |        | HR4107 (Lo-16bits)                                          |
| HR4109           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR4110           |                                              |        |        | HR4109 (Lo-16bits)                                          |
| HR4111           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4112           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4113           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4114           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4115           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4116           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4117           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4118           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4119           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4120           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4121           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4122           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4123           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4124           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4125           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4126           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4127           | DOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4128           | DOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4129           | DOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4130           | DOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4131           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4132           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4133           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4134           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4135           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4136           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4137           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4138           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4139           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4140           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4141           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4142           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4143           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4144           |                               |        |        | HR4143 (Lo-16bits)                                          |
| HR4145           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4146           |                               |        |        | HR4145 (Lo-16bits)                                          |
| HR4147           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4148           |                               |        |        | HR4147 (Lo-16bits)                                          |
| HR4149           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4150           |                               |        |        | HR4149 (Lo-16bits)                                          |
| HR4151           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4152           |                               |        |        | HR4151 (Lo-16bits)                                          |
| HR4153           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4154           |                               |        |        | HR4153 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR4155           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4156           |                          |        |        | HR4155 (Lo-16bits)            |
| HR4157           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4158           |                          |        |        | HR4157 (Lo-16bits)            |
| HR4159           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4160           |                          |        |        | HR4159 (Lo-16bits)            |
| HR4161           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4162           |                          |        |        | HR4161 (Lo-16bits)            |
| HR4163           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4164           |                          |        |        | HR4163 (Lo-16bits)            |
| HR4165           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4166           |                          |        |        | HR4165 (Lo-16bits)            |
| HR4167           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4168           |                          |        |        | HR4167 (Lo-16bits)            |
| HR4169           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4170           |                          |        |        | HR4169 (Lo-16bits)            |
| HR4171           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4172           |                          |        |        | HR4171 (Lo-16bits)            |
| HR4173           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4174           |                          |        |        | HR4173 (Lo-16bits)            |
| HR4175           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4176           |                          |        |        | HR4175 (Lo-16bits)            |
| HR4177           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4178           |                          |        |        | HR4177 (Lo-16bits)            |
| HR4179           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4180           |                          |        |        | HR4179 (Lo-16bits)            |
| HR4181           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4182           |                          |        |        | HR4181 (Lo-16bits)            |
| HR4183           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4184           |                          |        |        | HR4183 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4185           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4186           |                                                    |        |        | HR4185 (Lo-16bits)          |
| HR4187           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4188           |                                                    |        |        | HR4187 (Lo-16bits)          |
| HR4189           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4190           |                                                    |        |        | HR4189 (Lo-16bits)          |
| HR4191           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4192           |                                                    |        |        | HR4191 (Lo-16bits)          |
| HR4193           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4194           |                                                    |        |        | HR4193 (Lo-16bits)          |
| HR4195           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4196           |                                                    |        |        | HR4195 (Lo-16bits)          |
| HR4197           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4198           |                                                    |        |        | HR4197 (Lo-16bits)          |
| HR4199           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4200           |                                                    |        |        | HR4199 (Lo-16bits)          |
| HR4201           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4202           |                                                    |        |        | HR4201 (Lo-16bits)          |
| HR4203           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4204           |                                                    |        |        | HR4203 (Lo-16bits)          |
| HR4205           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4206           |                                                    |        |        | HR4205 (Lo-16bits)          |
| HR4207           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4208           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4209           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4210           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4211           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4212           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4213           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4214           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4215           | DOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4216           |                                                    |        |        | HR4215 (Lo-16bits)           |
| HR4217           | DOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4218           |                                                    |        |        | HR4217 (Lo-16bits)           |
| HR4219           | DOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4220           |                                                    |        |        | HR4219 (Lo-16bits)           |
| HR4221           | DOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4222           |                                                    |        |        | HR4221 (Lo-16bits)           |
| HR4223           | DOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4224           |                                                    |        |        | HR4223 (Lo-16bits)           |
| HR4225           | DOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4226           |                                                    |        |        | HR4225 (Lo-16bits)           |
| HR4227           | DOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4228           |                                                    |        |        | HR4227 (Lo-16bits)           |
| HR4229           | DOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4230           |                                                    |        |        | HR4229 (Lo-16bits)           |
| HR4231           | DOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4232           | DOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4233           | DOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4234           | DOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4235           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4236           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4237           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4238           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4239           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4240           |                                            |        |        | HR4239 (Lo-16bits)          |
| HR4241           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4242           |                                            |        |        | HR4241 (Lo-16bits)          |
| HR4243           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4244           |                                            |        |        | HR4243 (Lo-16bits)          |
| HR4245           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4246           |                                            |        |        | HR4245 (Lo-16bits)          |
| HR4247           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4248           |                                            |        |        | HR4247 (Lo-16bits)          |
| HR4249           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4250           |                                            |        |        | HR4249 (Lo-16bits)          |
| HR4251           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4252           |                                            |        |        | HR4251 (Lo-16bits)          |
| HR4253           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4254           |                                            |        |        | HR4253 (Lo-16bits)          |
| HR4255           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4256           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4257           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4258           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4259           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR4260           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4261           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4262           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4263           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4264           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4265           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4266           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4267           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4268           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4269           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4270           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4271           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4272           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4273           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4274           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4275           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4276           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR4277           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4278           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4279           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4280           |                                  |        |        | HR4279 (Lo-16bits)             |
| HR4281           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4282           |                                  |        |        | HR4281 (Lo-16bits)             |
| HR4283           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4284           |                                  |        |        | HR4283 (Lo-16bits)             |
| HR4285           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4286           |                                  |        |        | HR4285 (Lo-16bits)             |
| HR4287           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4288           |                                  |        |        | HR4287 (Lo-16bits)             |
| HR4289           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4290           |                                  |        |        | HR4289 (Lo-16bits)             |
| HR4291           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4292           |                                  |        |        | HR4291 (Lo-16bits)             |
| HR4293           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4294           |                                  |        |        | HR4293 (Lo-16bits)             |
| HR4295           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4296           |                                  |        |        | HR4295 (Lo-16bits)             |
| HR4297           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4298           |                                  |        |        | HR4297 (Lo-16bits)             |
| HR4299           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4300           |                                  |        |        | HR4299 (Lo-16bits)             |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR4301           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4302           |                              |        |        | HR4301 (Lo-16bits)             |
| HR4303           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4304           |                              |        |        | HR4303 (Lo-16bits)             |
| HR4305           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4306           |                              |        |        | HR4305 (Lo-16bits)             |
| HR4307           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4308           |                              |        |        | HR4307 (Lo-16bits)             |
| HR4309           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4310           |                              |        |        | HR4309 (Lo-16bits)             |
| HR4311           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4312           |                              |        |        | HR4311 (Lo-16bits)             |
| HR4313           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4314           |                              |        |        | HR4313 (Lo-16bits)             |
| HR4315           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4316           |                              |        |        | HR4315 (Lo-16bits)             |
| HR4317           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4318           |                              |        |        | HR4317 (Lo-16bits)             |
| HR4319           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4320           |                              |        |        | HR4319 (Lo-16bits)             |
| HR4321           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4322           |                              |        |        | HR4321 (Lo-16bits)             |
| HR4323           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4324           |                              |        |        | HR4323 (Lo-16bits)             |
| HR4325           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4326           |                              |        |        | HR4325 (Lo-16bits)             |
| HR4327           | DOC4:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR4328           | DOC4:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4329           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4330           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4331           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4332           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4333           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4334           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4335           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4336           |                                              |        |        | HR4335 (Lo-16bits)           |
| HR4337           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4338           |                                              |        |        | HR4337 (Lo-16bits)           |
| HR4339           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4340           |                                              |        |        | HR4339 (Lo-16bits)           |
| HR4341           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4342           |                                              |        |        | HR4341 (Lo-16bits)           |
| HR4343           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4344           |                                              |        |        | HR4343 (Lo-16bits)           |
| HR4345           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4346           |                                              |        |        | HR4345 (Lo-16bits)           |
| HR4347           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4348           |                                              |        |        | HR4347 (Lo-16bits)           |
| HR4349           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4350           |                                              |        |        | HR4349 (Lo-16bits)           |
| HR4351           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4352           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4353           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4354           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4355           | DOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4356           | DOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4357           | DOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4358           | DOC4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4359           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4360           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4361           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4362           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4363           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4364           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4365           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4366           | DOC4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4367           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4368           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4369           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4370           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4371           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4372           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4373           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4374           | DOC4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4375           | DOC4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR4376           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4377           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4378           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4379           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4380           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4381           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4382           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4383           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4384           |                               |        |        | HR4383 (Lo-16bits)            |
| HR4385           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4386           |                               |        |        | HR4385 (Lo-16bits)            |
| HR4387           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4388           |                               |        |        | HR4387 (Lo-16bits)            |
| HR4389           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4390           |                               |        |        | HR4389 (Lo-16bits)            |
| HR4391           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4392           |                               |        |        | HR4391 (Lo-16bits)            |
| HR4393           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4394           |                               |        |        | HR4393 (Lo-16bits)            |
| HR4395           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4396           |                               |        |        | HR4395 (Lo-16bits)            |
| HR4397           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4398           |                               |        |        | HR4397 (Lo-16bits)            |
| HR4399           | DOC4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4400           |                               |        |        | HR4399 (Lo-16bits)            |
| HR4401           | DOC4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4402           |                               |        |        | HR4401 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4403           | DOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4404           |                    |        |        | HR4403 (Lo-16bits)          |
| HR4405           | DOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4406           |                    |        |        | HR4405 (Lo-16bits)          |
| HR4407           | DOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4408           |                    |        |        | HR4407 (Lo-16bits)          |
| HR4409           | DOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4410           |                    |        |        | HR4409 (Lo-16bits)          |
| HR4411           | DOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4412           |                    |        |        | HR4411 (Lo-16bits)          |
| HR4413           | DOC4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4414           |                    |        |        | HR4413 (Lo-16bits)          |
| HR4415           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4416           |                    |        |        | HR4415 (Lo-16bits)          |
| HR4417           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4418           |                    |        |        | HR4417 (Lo-16bits)          |
| HR4419           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4420           |                    |        |        | HR4419 (Lo-16bits)          |
| HR4421           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4422           |                    |        |        | HR4421 (Lo-16bits)          |
| HR4423           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4424           |                    |        |        | HR4423 (Lo-16bits)          |
| HR4425           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4426           |                    |        |        | HR4425 (Lo-16bits)          |
| HR4427           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4428           |                    |        |        | HR4427 (Lo-16bits)          |
| HR4429           | DOC4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4430           |                    |        |        | HR4429 (Lo-16bits)          |
| HR4431           | DOC4:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4432           |                    |        |        | HR4431 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4433           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4434           |                                                                         |        |        | HR4433 (Lo-16bits)           |
| HR4435           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4436           |                                                                         |        |        | HR4435 (Lo-16bits)           |
| HR4437           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4438           |                                                                         |        |        | HR4437 (Lo-16bits)           |
| HR4439           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4440           |                                                                         |        |        | HR4439 (Lo-16bits)           |
| HR4441           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4442           |                                                                         |        |        | HR4441 (Lo-16bits)           |
| HR4443           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4444           |                                                                         |        |        | HR4443 (Lo-16bits)           |
| HR4445           | DOC4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4446           |                                                                         |        |        | HR4445 (Lo-16bits)           |
| HR4447           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4448           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4449           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4450           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4451           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4452           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4453           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4454           | DOC4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4455           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4456           |                                                                         |        |        | HR4455 (Lo-16bits)           |
| HR4457           | DOC4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR4458           |                                                |        |        | HR4457 (Lo-16bits)           |
| HR4459           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4460           |                                                |        |        | HR4459 (Lo-16bits)           |
| HR4461           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4462           |                                                |        |        | HR4461 (Lo-16bits)           |
| HR4463           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4464           |                                                |        |        | HR4463 (Lo-16bits)           |
| HR4465           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4466           |                                                |        |        | HR4465 (Lo-16bits)           |
| HR4467           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4468           |                                                |        |        | HR4467 (Lo-16bits)           |
| HR4469           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4470           |                                                |        |        | HR4469 (Lo-16bits)           |
| HR4471           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4472           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4473           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4474           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4475           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4476           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4477           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4478           | DOC4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4479           | DOC4:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4480           |                                                |        |        | HR4479 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4481           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4482           |                                                    |        |        | HR4481 (Lo-16bits)          |
| HR4483           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4484           |                                                    |        |        | HR4483 (Lo-16bits)          |
| HR4485           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4486           |                                                    |        |        | HR4485 (Lo-16bits)          |
| HR4487           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4488           |                                                    |        |        | HR4487 (Lo-16bits)          |
| HR4489           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4490           |                                                    |        |        | HR4489 (Lo-16bits)          |
| HR4491           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4492           |                                                    |        |        | HR4491 (Lo-16bits)          |
| HR4493           | DOC4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4494           |                                                    |        |        | HR4493 (Lo-16bits)          |
| HR4495           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4496           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4497           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4498           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4499           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4500           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4501           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4502           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4503           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4504           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4505           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4506           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4507           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4508           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4509           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4510           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4511           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4512           |                                                    |        |        | HR4511 (Lo-16bits)              |
| HR4513           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4514           |                                                    |        |        | HR4513 (Lo-16bits)              |
| HR4515           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4516           |                                                    |        |        | HR4515 (Lo-16bits)              |
| HR4517           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4518           |                                                    |        |        | HR4517 (Lo-16bits)              |
| HR4519           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4520           |                                                    |        |        | HR4519 (Lo-16bits)              |
| HR4521           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4522           |                                                    |        |        | HR4521 (Lo-16bits)              |
| HR4523           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4524           |                                                    |        |        | HR4523 (Lo-16bits)              |
| HR4525           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4526           |                                                    |        |        | HR4525 (Lo-16bits)              |
| HR4527           | NEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4528           | NEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4529           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4530           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4531           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4532           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4533           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4534           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4535           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4536           |                                              |        |        | HR4535 (Lo-16bits)           |
| HR4537           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4538           |                                              |        |        | HR4537 (Lo-16bits)           |
| HR4539           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4540           |                                              |        |        | HR4539 (Lo-16bits)           |
| HR4541           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4542           |                                              |        |        | HR4541 (Lo-16bits)           |
| HR4543           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4544           |                                              |        |        | HR4543 (Lo-16bits)           |
| HR4545           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4546           |                                              |        |        | HR4545 (Lo-16bits)           |
| HR4547           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4548           |                                              |        |        | HR4547 (Lo-16bits)           |
| HR4549           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4550           |                                              |        |        | HR4549 (Lo-16bits)           |
| HR4551           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4552           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4553           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4554           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4555           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4556           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4557           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4558           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4559           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4560           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4561           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4562           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4563           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4564           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4565           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4566           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4567           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4568           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4569           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4570           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4571           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4572           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4573           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4574           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4575           | NEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR4576           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4577           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4578           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4579           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4580           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4581           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4582           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4583           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4584           |                               |        |        | HR4583 (Lo-16bits)            |
| HR4585           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4586           |                               |        |        | HR4585 (Lo-16bits)            |
| HR4587           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4588           |                               |        |        | HR4587 (Lo-16bits)            |
| HR4589           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4590           |                               |        |        | HR4589 (Lo-16bits)            |
| HR4591           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4592           |                               |        |        | HR4591 (Lo-16bits)            |
| HR4593           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4594           |                               |        |        | HR4593 (Lo-16bits)            |
| HR4595           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4596           |                               |        |        | HR4595 (Lo-16bits)            |
| HR4597           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4598           |                               |        |        | HR4597 (Lo-16bits)            |
| HR4599           | NEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4600           |                               |        |        | HR4599 (Lo-16bits)            |
| HR4601           | NEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4602           |                               |        |        | HR4601 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4603           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4604           |                    |        |        | HR4603 (Lo-16bits)          |
| HR4605           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4606           |                    |        |        | HR4605 (Lo-16bits)          |
| HR4607           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4608           |                    |        |        | HR4607 (Lo-16bits)          |
| HR4609           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4610           |                    |        |        | HR4609 (Lo-16bits)          |
| HR4611           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4612           |                    |        |        | HR4611 (Lo-16bits)          |
| HR4613           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4614           |                    |        |        | HR4613 (Lo-16bits)          |
| HR4615           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4616           |                    |        |        | HR4615 (Lo-16bits)          |
| HR4617           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4618           |                    |        |        | HR4617 (Lo-16bits)          |
| HR4619           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4620           |                    |        |        | HR4619 (Lo-16bits)          |
| HR4621           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4622           |                    |        |        | HR4621 (Lo-16bits)          |
| HR4623           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4624           |                    |        |        | HR4623 (Lo-16bits)          |
| HR4625           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4626           |                    |        |        | HR4625 (Lo-16bits)          |
| HR4627           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4628           |                    |        |        | HR4627 (Lo-16bits)          |
| HR4629           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4630           |                    |        |        | HR4629 (Lo-16bits)          |
| HR4631           | NEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4632           |                    |        |        | HR4631 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4633           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4634           |                                                                         |        |        | HR4633 (Lo-16bits)           |
| HR4635           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4636           |                                                                         |        |        | HR4635 (Lo-16bits)           |
| HR4637           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4638           |                                                                         |        |        | HR4637 (Lo-16bits)           |
| HR4639           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4640           |                                                                         |        |        | HR4639 (Lo-16bits)           |
| HR4641           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4642           |                                                                         |        |        | HR4641 (Lo-16bits)           |
| HR4643           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4644           |                                                                         |        |        | HR4643 (Lo-16bits)           |
| HR4645           | NEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4646           |                                                                         |        |        | HR4645 (Lo-16bits)           |
| HR4647           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4648           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4649           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4650           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4651           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4652           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4653           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4654           | NEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4655           | NEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4656           |                                                                         |        |        | HR4655 (Lo-16bits)           |
| HR4657           | NEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR4658           |                                                |        |        | HR4657 (Lo-16bits)           |
| HR4659           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4660           |                                                |        |        | HR4659 (Lo-16bits)           |
| HR4661           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4662           |                                                |        |        | HR4661 (Lo-16bits)           |
| HR4663           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4664           |                                                |        |        | HR4663 (Lo-16bits)           |
| HR4665           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4666           |                                                |        |        | HR4665 (Lo-16bits)           |
| HR4667           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4668           |                                                |        |        | HR4667 (Lo-16bits)           |
| HR4669           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4670           |                                                |        |        | HR4669 (Lo-16bits)           |
| HR4671           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4672           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4673           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4674           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4675           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4676           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4677           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4678           | NEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4679           | NEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4680           |                                                |        |        | HR4679 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4681           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4682           |                                                    |        |        | HR4681 (Lo-16bits)          |
| HR4683           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4684           |                                                    |        |        | HR4683 (Lo-16bits)          |
| HR4685           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4686           |                                                    |        |        | HR4685 (Lo-16bits)          |
| HR4687           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4688           |                                                    |        |        | HR4687 (Lo-16bits)          |
| HR4689           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4690           |                                                    |        |        | HR4689 (Lo-16bits)          |
| HR4691           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4692           |                                                    |        |        | HR4691 (Lo-16bits)          |
| HR4693           | NEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4694           |                                                    |        |        | HR4693 (Lo-16bits)          |
| HR4695           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4696           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4697           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4698           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4699           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4700           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4701           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4702           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4703           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4704           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4705           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4706           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4707           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4708           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4709           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4710           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4711           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4712           |                                                    |        |        | HR4711 (Lo-16bits)              |
| HR4713           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4714           |                                                    |        |        | HR4713 (Lo-16bits)              |
| HR4715           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4716           |                                                    |        |        | HR4715 (Lo-16bits)              |
| HR4717           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4718           |                                                    |        |        | HR4717 (Lo-16bits)              |
| HR4719           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4720           |                                                    |        |        | HR4719 (Lo-16bits)              |
| HR4721           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4722           |                                                    |        |        | HR4721 (Lo-16bits)              |
| HR4723           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4724           |                                                    |        |        | HR4723 (Lo-16bits)              |
| HR4725           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4726           |                                                    |        |        | HR4725 (Lo-16bits)              |
| HR4727           | NEF2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4728           | NEF2:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4729           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4730           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4731           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4732           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4733           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4734           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4735           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4736           |                                              |        |        | HR4735 (Lo-16bits)           |
| HR4737           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4738           |                                              |        |        | HR4737 (Lo-16bits)           |
| HR4739           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4740           |                                              |        |        | HR4739 (Lo-16bits)           |
| HR4741           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4742           |                                              |        |        | HR4741 (Lo-16bits)           |
| HR4743           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4744           |                                              |        |        | HR4743 (Lo-16bits)           |
| HR4745           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4746           |                                              |        |        | HR4745 (Lo-16bits)           |
| HR4747           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4748           |                                              |        |        | HR4747 (Lo-16bits)           |
| HR4749           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4750           |                                              |        |        | HR4749 (Lo-16bits)           |
| HR4751           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4752           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4753           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4754           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4755           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4756           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4757           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4758           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4759           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4760           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4761           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4762           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4763           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4764           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4765           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4766           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4767           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4768           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4769           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4770           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4771           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4772           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4773           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4774           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4775           | NEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR4776           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4777           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4778           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4779           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4780           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4781           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4782           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4783           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4784           |                               |        |        | HR4783 (Lo-16bits)            |
| HR4785           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4786           |                               |        |        | HR4785 (Lo-16bits)            |
| HR4787           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4788           |                               |        |        | HR4787 (Lo-16bits)            |
| HR4789           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4790           |                               |        |        | HR4789 (Lo-16bits)            |
| HR4791           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4792           |                               |        |        | HR4791 (Lo-16bits)            |
| HR4793           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4794           |                               |        |        | HR4793 (Lo-16bits)            |
| HR4795           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4796           |                               |        |        | HR4795 (Lo-16bits)            |
| HR4797           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4798           |                               |        |        | HR4797 (Lo-16bits)            |
| HR4799           | NEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4800           |                               |        |        | HR4799 (Lo-16bits)            |
| HR4801           | NEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4802           |                               |        |        | HR4801 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4803           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4804           |                    |        |        | HR4803 (Lo-16bits)          |
| HR4805           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4806           |                    |        |        | HR4805 (Lo-16bits)          |
| HR4807           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4808           |                    |        |        | HR4807 (Lo-16bits)          |
| HR4809           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4810           |                    |        |        | HR4809 (Lo-16bits)          |
| HR4811           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4812           |                    |        |        | HR4811 (Lo-16bits)          |
| HR4813           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4814           |                    |        |        | HR4813 (Lo-16bits)          |
| HR4815           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4816           |                    |        |        | HR4815 (Lo-16bits)          |
| HR4817           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4818           |                    |        |        | HR4817 (Lo-16bits)          |
| HR4819           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4820           |                    |        |        | HR4819 (Lo-16bits)          |
| HR4821           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4822           |                    |        |        | HR4821 (Lo-16bits)          |
| HR4823           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4824           |                    |        |        | HR4823 (Lo-16bits)          |
| HR4825           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4826           |                    |        |        | HR4825 (Lo-16bits)          |
| HR4827           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4828           |                    |        |        | HR4827 (Lo-16bits)          |
| HR4829           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4830           |                    |        |        | HR4829 (Lo-16bits)          |
| HR4831           | NEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4832           |                    |        |        | HR4831 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4833           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4834           |                                                                         |        |        | HR4833 (Lo-16bits)           |
| HR4835           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4836           |                                                                         |        |        | HR4835 (Lo-16bits)           |
| HR4837           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4838           |                                                                         |        |        | HR4837 (Lo-16bits)           |
| HR4839           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4840           |                                                                         |        |        | HR4839 (Lo-16bits)           |
| HR4841           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4842           |                                                                         |        |        | HR4841 (Lo-16bits)           |
| HR4843           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4844           |                                                                         |        |        | HR4843 (Lo-16bits)           |
| HR4845           | NEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4846           |                                                                         |        |        | HR4845 (Lo-16bits)           |
| HR4847           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4848           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4849           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4850           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4851           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4852           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4853           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4854           | NEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4855           | NEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4856           |                                                                         |        |        | HR4855 (Lo-16bits)           |
| HR4857           | NEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR4858           |                                                |        |        | HR4857 (Lo-16bits)           |
| HR4859           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4860           |                                                |        |        | HR4859 (Lo-16bits)           |
| HR4861           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4862           |                                                |        |        | HR4861 (Lo-16bits)           |
| HR4863           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4864           |                                                |        |        | HR4863 (Lo-16bits)           |
| HR4865           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4866           |                                                |        |        | HR4865 (Lo-16bits)           |
| HR4867           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4868           |                                                |        |        | HR4867 (Lo-16bits)           |
| HR4869           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4870           |                                                |        |        | HR4869 (Lo-16bits)           |
| HR4871           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4872           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4873           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4874           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4875           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4876           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4877           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4878           | NEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR4879           | NEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4880           |                                                |        |        | HR4879 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4881           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4882           |                                                    |        |        | HR4881 (Lo-16bits)          |
| HR4883           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4884           |                                                    |        |        | HR4883 (Lo-16bits)          |
| HR4885           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4886           |                                                    |        |        | HR4885 (Lo-16bits)          |
| HR4887           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4888           |                                                    |        |        | HR4887 (Lo-16bits)          |
| HR4889           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4890           |                                                    |        |        | HR4889 (Lo-16bits)          |
| HR4891           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4892           |                                                    |        |        | HR4891 (Lo-16bits)          |
| HR4893           | NEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4894           |                                                    |        |        | HR4893 (Lo-16bits)          |
| HR4895           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4896           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4897           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4898           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4899           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4900           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4901           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4902           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR4903           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4904           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4905           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4906           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4907           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4908           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4909           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4910           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4911           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4912           |                                                    |        |        | HR4911 (Lo-16bits)              |
| HR4913           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4914           |                                                    |        |        | HR4913 (Lo-16bits)              |
| HR4915           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4916           |                                                    |        |        | HR4915 (Lo-16bits)              |
| HR4917           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4918           |                                                    |        |        | HR4917 (Lo-16bits)              |
| HR4919           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4920           |                                                    |        |        | HR4919 (Lo-16bits)              |
| HR4921           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4922           |                                                    |        |        | HR4921 (Lo-16bits)              |
| HR4923           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4924           |                                                    |        |        | HR4923 (Lo-16bits)              |
| HR4925           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4926           |                                                    |        |        | HR4925 (Lo-16bits)              |
| HR4927           | NEF3:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4928           | NEF3:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4929           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4930           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4931           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4932           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4933           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4934           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4935           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4936           |                                              |        |        | HR4935 (Lo-16bits)           |
| HR4937           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4938           |                                              |        |        | HR4937 (Lo-16bits)           |
| HR4939           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4940           |                                              |        |        | HR4939 (Lo-16bits)           |
| HR4941           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4942           |                                              |        |        | HR4941 (Lo-16bits)           |
| HR4943           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4944           |                                              |        |        | HR4943 (Lo-16bits)           |
| HR4945           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4946           |                                              |        |        | HR4945 (Lo-16bits)           |
| HR4947           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4948           |                                              |        |        | HR4947 (Lo-16bits)           |
| HR4949           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4950           |                                              |        |        | HR4949 (Lo-16bits)           |
| HR4951           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4952           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4953           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4954           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4955           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4956           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4957           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4958           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4959           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4960           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4961           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4962           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4963           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4964           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4965           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4966           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4967           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4968           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4969           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4970           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4971           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4972           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4973           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4974           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4975           | NEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR4976           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4977           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4978           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4979           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4980           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4981           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4982           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR4983           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4984           |                               |        |        | HR4983 (Lo-16bits)            |
| HR4985           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4986           |                               |        |        | HR4985 (Lo-16bits)            |
| HR4987           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4988           |                               |        |        | HR4987 (Lo-16bits)            |
| HR4989           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4990           |                               |        |        | HR4989 (Lo-16bits)            |
| HR4991           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4992           |                               |        |        | HR4991 (Lo-16bits)            |
| HR4993           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4994           |                               |        |        | HR4993 (Lo-16bits)            |
| HR4995           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4996           |                               |        |        | HR4995 (Lo-16bits)            |
| HR4997           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4998           |                               |        |        | HR4997 (Lo-16bits)            |
| HR4999           | NEF3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5000           |                               |        |        | HR4999 (Lo-16bits)            |
| HR5001           | NEF3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5002           |                               |        |        | HR5001 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5003           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5004           |                    |        |        | HR5003 (Lo-16bits)          |
| HR5005           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5006           |                    |        |        | HR5005 (Lo-16bits)          |
| HR5007           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5008           |                    |        |        | HR5007 (Lo-16bits)          |
| HR5009           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5010           |                    |        |        | HR5009 (Lo-16bits)          |
| HR5011           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5012           |                    |        |        | HR5011 (Lo-16bits)          |
| HR5013           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5014           |                    |        |        | HR5013 (Lo-16bits)          |
| HR5015           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5016           |                    |        |        | HR5015 (Lo-16bits)          |
| HR5017           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5018           |                    |        |        | HR5017 (Lo-16bits)          |
| HR5019           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5020           |                    |        |        | HR5019 (Lo-16bits)          |
| HR5021           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5022           |                    |        |        | HR5021 (Lo-16bits)          |
| HR5023           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5024           |                    |        |        | HR5023 (Lo-16bits)          |
| HR5025           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5026           |                    |        |        | HR5025 (Lo-16bits)          |
| HR5027           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5028           |                    |        |        | HR5027 (Lo-16bits)          |
| HR5029           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5030           |                    |        |        | HR5029 (Lo-16bits)          |
| HR5031           | NEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5032           |                    |        |        | HR5031 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5033           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5034           |                                                                         |        |        | HR5033 (Lo-16bits)           |
| HR5035           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5036           |                                                                         |        |        | HR5035 (Lo-16bits)           |
| HR5037           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5038           |                                                                         |        |        | HR5037 (Lo-16bits)           |
| HR5039           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5040           |                                                                         |        |        | HR5039 (Lo-16bits)           |
| HR5041           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5042           |                                                                         |        |        | HR5041 (Lo-16bits)           |
| HR5043           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5044           |                                                                         |        |        | HR5043 (Lo-16bits)           |
| HR5045           | NEF3:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5046           |                                                                         |        |        | HR5045 (Lo-16bits)           |
| HR5047           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5048           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5049           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5050           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5051           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5052           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5053           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5054           | NEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5055           | NEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5056           |                                                                         |        |        | HR5055 (Lo-16bits)           |
| HR5057           | NEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5058           |                                                |        |        | HR5057 (Lo-16bits)           |
| HR5059           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5060           |                                                |        |        | HR5059 (Lo-16bits)           |
| HR5061           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5062           |                                                |        |        | HR5061 (Lo-16bits)           |
| HR5063           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5064           |                                                |        |        | HR5063 (Lo-16bits)           |
| HR5065           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5066           |                                                |        |        | HR5065 (Lo-16bits)           |
| HR5067           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5068           |                                                |        |        | HR5067 (Lo-16bits)           |
| HR5069           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5070           |                                                |        |        | HR5069 (Lo-16bits)           |
| HR5071           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5072           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5073           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5074           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5075           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5076           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5077           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5078           | NEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5079           | NEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5080           |                                                |        |        | HR5079 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5081           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5082           |                                                    |        |        | HR5081 (Lo-16bits)          |
| HR5083           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5084           |                                                    |        |        | HR5083 (Lo-16bits)          |
| HR5085           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5086           |                                                    |        |        | HR5085 (Lo-16bits)          |
| HR5087           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5088           |                                                    |        |        | HR5087 (Lo-16bits)          |
| HR5089           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5090           |                                                    |        |        | HR5089 (Lo-16bits)          |
| HR5091           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5092           |                                                    |        |        | HR5091 (Lo-16bits)          |
| HR5093           | NEF3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5094           |                                                    |        |        | HR5093 (Lo-16bits)          |
| HR5095           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5096           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5097           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5098           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5099           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5100           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5101           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5102           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5103           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5104           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR5105           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5106           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5107           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5108           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5109           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5110           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5111           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5112           |                                                    |        |        | HR5111 (Lo-16bits)              |
| HR5113           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5114           |                                                    |        |        | HR5113 (Lo-16bits)              |
| HR5115           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5116           |                                                    |        |        | HR5115 (Lo-16bits)              |
| HR5117           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5118           |                                                    |        |        | HR5117 (Lo-16bits)              |
| HR5119           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5120           |                                                    |        |        | HR5119 (Lo-16bits)              |
| HR5121           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5122           |                                                    |        |        | HR5121 (Lo-16bits)              |
| HR5123           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5124           |                                                    |        |        | HR5123 (Lo-16bits)              |
| HR5125           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5126           |                                                    |        |        | HR5125 (Lo-16bits)              |
| HR5127           | NEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5128           | NEF4:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                     |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR5129           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR5130           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR5131           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR5132           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR5133           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR5134           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR5135           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5136           |                                              |        |        | HR5135 (Lo-16bits)           |
| HR5137           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5138           |                                              |        |        | HR5137 (Lo-16bits)           |
| HR5139           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5140           |                                              |        |        | HR5139 (Lo-16bits)           |
| HR5141           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5142           |                                              |        |        | HR5141 (Lo-16bits)           |
| HR5143           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5144           |                                              |        |        | HR5143 (Lo-16bits)           |
| HR5145           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5146           |                                              |        |        | HR5145 (Lo-16bits)           |
| HR5147           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5148           |                                              |        |        | HR5147 (Lo-16bits)           |
| HR5149           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5150           |                                              |        |        | HR5149 (Lo-16bits)           |
| HR5151           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5152           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5153           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5154           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5155           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5156           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5157           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5158           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5159           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5160           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5161           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5162           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5163           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5164           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5165           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5166           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5167           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5168           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5169           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5170           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5171           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5172           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5173           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5174           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5175           | NEF4:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR5176           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5177           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5178           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5179           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5180           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5181           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5182           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5183           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5184           |                               |        |        | HR5183 (Lo-16bits)            |
| HR5185           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5186           |                               |        |        | HR5185 (Lo-16bits)            |
| HR5187           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5188           |                               |        |        | HR5187 (Lo-16bits)            |
| HR5189           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5190           |                               |        |        | HR5189 (Lo-16bits)            |
| HR5191           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5192           |                               |        |        | HR5191 (Lo-16bits)            |
| HR5193           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5194           |                               |        |        | HR5193 (Lo-16bits)            |
| HR5195           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5196           |                               |        |        | HR5195 (Lo-16bits)            |
| HR5197           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5198           |                               |        |        | HR5197 (Lo-16bits)            |
| HR5199           | NEF4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5200           |                               |        |        | HR5199 (Lo-16bits)            |
| HR5201           | NEF4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5202           |                               |        |        | HR5201 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5203           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5204           |                    |        |        | HR5203 (Lo-16bits)          |
| HR5205           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5206           |                    |        |        | HR5205 (Lo-16bits)          |
| HR5207           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5208           |                    |        |        | HR5207 (Lo-16bits)          |
| HR5209           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5210           |                    |        |        | HR5209 (Lo-16bits)          |
| HR5211           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5212           |                    |        |        | HR5211 (Lo-16bits)          |
| HR5213           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5214           |                    |        |        | HR5213 (Lo-16bits)          |
| HR5215           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5216           |                    |        |        | HR5215 (Lo-16bits)          |
| HR5217           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5218           |                    |        |        | HR5217 (Lo-16bits)          |
| HR5219           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5220           |                    |        |        | HR5219 (Lo-16bits)          |
| HR5221           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5222           |                    |        |        | HR5221 (Lo-16bits)          |
| HR5223           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5224           |                    |        |        | HR5223 (Lo-16bits)          |
| HR5225           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5226           |                    |        |        | HR5225 (Lo-16bits)          |
| HR5227           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5228           |                    |        |        | HR5227 (Lo-16bits)          |
| HR5229           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5230           |                    |        |        | HR5229 (Lo-16bits)          |
| HR5231           | NEF4:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5232           |                    |        |        | HR5231 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5233           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5234           |                                                                         |        |        | HR5233 (Lo-16bits)           |
| HR5235           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5236           |                                                                         |        |        | HR5235 (Lo-16bits)           |
| HR5237           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5238           |                                                                         |        |        | HR5237 (Lo-16bits)           |
| HR5239           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5240           |                                                                         |        |        | HR5239 (Lo-16bits)           |
| HR5241           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5242           |                                                                         |        |        | HR5241 (Lo-16bits)           |
| HR5243           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5244           |                                                                         |        |        | HR5243 (Lo-16bits)           |
| HR5245           | NEF4:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5246           |                                                                         |        |        | HR5245 (Lo-16bits)           |
| HR5247           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5248           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5249           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5250           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5251           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5252           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5253           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5254           | NEF4:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5255           | NEF4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5256           |                                                                         |        |        | HR5255 (Lo-16bits)           |
| HR5257           | NEF4:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |



| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5258           |                                                |        |        | HR5257 (Lo-16bits)           |
| HR5259           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5260           |                                                |        |        | HR5259 (Lo-16bits)           |
| HR5261           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5262           |                                                |        |        | HR5261 (Lo-16bits)           |
| HR5263           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5264           |                                                |        |        | HR5263 (Lo-16bits)           |
| HR5265           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5266           |                                                |        |        | HR5265 (Lo-16bits)           |
| HR5267           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5268           |                                                |        |        | HR5267 (Lo-16bits)           |
| HR5269           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5270           |                                                |        |        | HR5269 (Lo-16bits)           |
| HR5271           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5272           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5273           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5274           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5275           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5276           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5277           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5278           | NEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5279           | NEF4:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5280           |                                                |        |        | HR5279 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5281           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5282           |                                                    |        |        | HR5281 (Lo-16bits)          |
| HR5283           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5284           |                                                    |        |        | HR5283 (Lo-16bits)          |
| HR5285           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5286           |                                                    |        |        | HR5285 (Lo-16bits)          |
| HR5287           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5288           |                                                    |        |        | HR5287 (Lo-16bits)          |
| HR5289           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5290           |                                                    |        |        | HR5289 (Lo-16bits)          |
| HR5291           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5292           |                                                    |        |        | HR5291 (Lo-16bits)          |
| HR5293           | NEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5294           |                                                    |        |        | HR5293 (Lo-16bits)          |
| HR5295           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5296           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5297           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5298           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5299           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5300           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5301           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5302           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5303           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5304           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR5305           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5306           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5307           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5308           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5309           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5310           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5311           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5312           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5313           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5314           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5315           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5316           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5317           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5318           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5319           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5320           |                                                    |        |        | HR5319 (Lo-16bits)                                          |
| HR5321           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5322           |                                                    |        |        | HR5321 (Lo-16bits)                                          |
| HR5323           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5324           |                                                    |        |        | HR5323 (Lo-16bits)                                          |
| HR5325           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5326           |                                                    |        |        | HR5325 (Lo-16bits)                                          |

| Holding Register | Parameter                   | Access | Length |                                |
|------------------|-----------------------------|--------|--------|--------------------------------|
| HR5327           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5328           |                             |        |        | HR5327 (Lo-16bits)             |
| HR5329           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5330           |                             |        |        | HR5329 (Lo-16bits)             |
| HR5331           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5332           |                             |        |        | HR5331 (Lo-16bits)             |
| HR5333           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5334           |                             |        |        | HR5333 (Lo-16bits)             |
| HR5335           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5336           |                             |        |        | HR5335 (Lo-16bits)             |
| HR5337           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5338           |                             |        |        | HR5337 (Lo-16bits)             |
| HR5339           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5340           |                             |        |        | HR5339 (Lo-16bits)             |
| HR5341           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5342           |                             |        |        | HR5341 (Lo-16bits)             |
| HR5343           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5344           |                             |        |        | HR5343 (Lo-16bits)             |
| HR5345           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5346           |                             |        |        | HR5345 (Lo-16bits)             |
| HR5347           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5348           |                             |        |        | HR5347 (Lo-16bits)             |
| HR5349           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5350           |                             |        |        | HR5349 (Lo-16bits)             |

| Holding Register | Parameter                                   | Access | Length |                                |
|------------------|---------------------------------------------|--------|--------|--------------------------------|
| HR5351           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5352           |                                             |        |        | HR5351 (Lo-16bits)             |
| HR5353           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5354           |                                             |        |        | HR5353 (Lo-16bits)             |
| HR5355           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5356           |                                             |        |        | HR5355 (Lo-16bits)             |
| HR5357           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5358           |                                             |        |        | HR5357 (Lo-16bits)             |
| HR5359           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5360           |                                             |        |        | HR5359 (Lo-16bits)             |
| HR5361           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5362           |                                             |        |        | HR5361 (Lo-16bits)             |
| HR5363           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5364           |                                             |        |        | HR5363 (Lo-16bits)             |
| HR5365           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5366           |                                             |        |        | HR5365 (Lo-16bits)             |
| HR5367           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5368           |                                             |        |        | HR5367 (Lo-16bits)             |
| HR5369           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5370           |                                             |        |        | HR5369 (Lo-16bits)             |
| HR5371           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5372           |                                             |        |        | HR5371 (Lo-16bits)             |
| HR5373           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5374           |                                             |        |        | HR5373 (Lo-16bits)             |

| Holding Register | Parameter                                                  | Access | Length |                              |
|------------------|------------------------------------------------------------|--------|--------|------------------------------|
| HR5375           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5376           |                                                            |        |        | HR5375 (Lo-16bits)           |
| HR5377           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5378           |                                                            |        |        | HR5377 (Lo-16bits)           |
| HR5379           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5380           |                                                            |        |        | HR5379 (Lo-16bits)           |
| HR5381           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5382           |                                                            |        |        | HR5381 (Lo-16bits)           |
| HR5383           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5384           |                                                            |        |        | HR5383 (Lo-16bits)           |
| HR5385           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5386           |                                                            |        |        | HR5385 (Lo-16bits)           |
| HR5387           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5388           |                                                            |        |        | HR5387 (Lo-16bits)           |
| HR5389           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5390           |                                                            |        |        | HR5389 (Lo-16bits)           |
| HR5391           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5392           |                                                            |        |        | HR5391 (Lo-16bits)           |
| HR5393           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5394           |                                                            |        |        | HR5393 (Lo-16bits)           |
| HR5395           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |

| Holding Register | Parameter                                                        | Access | Length |                              |
|------------------|------------------------------------------------------------------|--------|--------|------------------------------|
| HR5396           |                                                                  |        |        | HR5395 (Lo-16bits)           |
| HR5397           | DEF1:Unearthed /<br>Compensated border angle<br>(0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5398           |                                                                  |        |        | HR5397 (Lo-16bits)           |
| HR5399           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5400           |                                                                  |        |        | HR5399 (Lo-16bits)           |
| HR5401           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5402           |                                                                  |        |        | HR5401 (Lo-16bits)           |
| HR5403           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5404           |                                                                  |        |        | HR5403 (Lo-16bits)           |
| HR5405           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5406           |                                                                  |        |        | HR5405 (Lo-16bits)           |
| HR5407           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5408           |                                                                  |        |        | HR5407 (Lo-16bits)           |
| HR5409           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5410           |                                                                  |        |        | HR5409 (Lo-16bits)           |
| HR5411           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5412           |                                                                  |        |        | HR5411 (Lo-16bits)           |
| HR5413           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5414           |                                                                  |        |        | HR5413 (Lo-16bits)           |
| HR5415           | DEF1:Multi-criteria<br>detection                                 | R(W)   | 1      | 0=Not Used;1=Is Used         |
| HR5416           | DEF1:Multi-criteria<br>detection                                 | R(W)   | 1      | 0=Not Used;1=Is Used         |
| HR5417           | DEF1:Multi-criteria<br>detection                                 | R(W)   | 1      | 0=Not Used;1=Is Used         |
| HR5418           | DEF1:Multi-criteria<br>detection                                 | R(W)   | 1      | 0=Not Used;1=Is Used         |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5419           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5420           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5421           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5422           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5423           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5424           |                                               |        |        | HR5423 (Lo-16bits)             |
| HR5425           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5426           |                                               |        |        | HR5425 (Lo-16bits)             |
| HR5427           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5428           |                                               |        |        | HR5427 (Lo-16bits)             |
| HR5429           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5430           |                                               |        |        | HR5429 (Lo-16bits)             |
| HR5431           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5432           |                                               |        |        | HR5431 (Lo-16bits)             |
| HR5433           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5434           |                                               |        |        | HR5433 (Lo-16bits)             |
| HR5435           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5436           |                                               |        |        | HR5435 (Lo-16bits)             |
| HR5437           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5438           |                                               |        |        | HR5437 (Lo-16bits)             |
| HR5439           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5440           |                                               |        |        | HR5439 (Lo-16bits)             |
| HR5441           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5442           |                                               |        |        | HR5441 (Lo-16bits)             |
| HR5443           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5444           |                                               |        |        | HR5443 (Lo-16bits)             |



| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5445           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5446           |                                               |        |        | HR5445 (Lo-16bits)             |
| HR5447           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5448           |                                               |        |        | HR5447 (Lo-16bits)             |
| HR5449           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5450           |                                               |        |        | HR5449 (Lo-16bits)             |
| HR5451           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5452           |                                               |        |        | HR5451 (Lo-16bits)             |
| HR5453           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5454           |                                               |        |        | HR5453 (Lo-16bits)             |
| HR5455           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5456           |                                               |        |        | HR5455 (Lo-16bits)             |
| HR5457           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5458           |                                               |        |        | HR5457 (Lo-16bits)             |
| HR5459           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5460           |                                               |        |        | HR5459 (Lo-16bits)             |
| HR5461           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5462           |                                               |        |        | HR5461 (Lo-16bits)             |
| HR5463           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5464           |                                               |        |        | HR5463 (Lo-16bits)             |
| HR5465           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5466           |                                               |        |        | HR5465 (Lo-16bits)             |
| HR5467           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5468           |                                               |        |        | HR5467 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5469           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5470           |                                              |        |        | HR5469 (Lo-16bits)             |
| HR5471           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5472           |                                              |        |        | HR5471 (Lo-16bits)             |
| HR5473           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5474           |                                              |        |        | HR5473 (Lo-16bits)             |
| HR5475           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5476           |                                              |        |        | HR5475 (Lo-16bits)             |
| HR5477           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5478           |                                              |        |        | HR5477 (Lo-16bits)             |
| HR5479           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5480           |                                              |        |        | HR5479 (Lo-16bits)             |
| HR5481           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5482           |                                              |        |        | HR5481 (Lo-16bits)             |
| HR5483           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5484           |                                              |        |        | HR5483 (Lo-16bits)             |
| HR5485           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5486           |                                              |        |        | HR5485 (Lo-16bits)             |
| HR5487           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5488           |                                              |        |        | HR5487 (Lo-16bits)             |
| HR5489           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5490           |                                              |        |        | HR5489 (Lo-16bits)             |
| HR5491           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5492           |                                              |        |        | HR5491 (Lo-16bits)             |
| HR5493           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5494           |                                              |        |        | HR5493 (Lo-16bits)             |
| HR5495           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5496           |                                              |        |        | HR5495 (Lo-16bits)             |
| HR5497           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5498           |                                              |        |        | HR5497 (Lo-16bits)             |

| Holding Register | Parameter                                       | Access | Length |                                                        |
|------------------|-------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5499           | DEF1:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5500           |                                                 |        |        | HR5499 (Lo-16bits)                                     |
| HR5501           | DEF1:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5502           |                                                 |        |        | HR5501 (Lo-16bits)                                     |
| HR5503           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5504           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5505           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5506           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5507           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5508           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5509           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5510           | DEF1:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5511           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5512           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5513           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5514           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5515           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5516           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5517           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5518           | DEF1:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5519           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5520           |                                                 |        |        | HR5519 (Lo-16bits)                                     |
| HR5521           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5522           |                                                 |        |        | HR5521 (Lo-16bits)                                     |
| HR5523           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR5524           |                                                 |        |        | HR5523 (Lo-16bits)           |
| HR5525           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5526           |                                                 |        |        | HR5525 (Lo-16bits)           |
| HR5527           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5528           |                                                 |        |        | HR5527 (Lo-16bits)           |
| HR5529           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5530           |                                                 |        |        | HR5529 (Lo-16bits)           |
| HR5531           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5532           |                                                 |        |        | HR5531 (Lo-16bits)           |
| HR5533           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5534           |                                                 |        |        | HR5533 (Lo-16bits)           |
| HR5535           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5536           |                                                 |        |        | HR5535 (Lo-16bits)           |
| HR5537           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5538           |                                                 |        |        | HR5537 (Lo-16bits)           |
| HR5539           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5540           |                                                 |        |        | HR5539 (Lo-16bits)           |
| HR5541           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5542           |                                                 |        |        | HR5541 (Lo-16bits)           |
| HR5543           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5544           |                                                 |        |        | HR5543 (Lo-16bits)           |
| HR5545           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5546           |                                                 |        |        | HR5545 (Lo-16bits)           |
| HR5547           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                     | Access | Length |                              |
|------------------|-----------------------------------------------|--------|--------|------------------------------|
| HR5548           |                                               |        |        | HR5547 (Lo-16bits)           |
| HR5549           | DEF1:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5550           |                                               |        |        | HR5549 (Lo-16bits)           |
| HR5551           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5552           |                                               |        |        | HR5551 (Lo-16bits)           |
| HR5553           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5554           |                                               |        |        | HR5553 (Lo-16bits)           |
| HR5555           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5556           |                                               |        |        | HR5555 (Lo-16bits)           |
| HR5557           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5558           |                                               |        |        | HR5557 (Lo-16bits)           |
| HR5559           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5560           |                                               |        |        | HR5559 (Lo-16bits)           |
| HR5561           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5562           |                                               |        |        | HR5561 (Lo-16bits)           |
| HR5563           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5564           |                                               |        |        | HR5563 (Lo-16bits)           |
| HR5565           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5566           |                                               |        |        | HR5565 (Lo-16bits)           |
| HR5567           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5568           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5569           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5570           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5571           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5572           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5573           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5574           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5575           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5576           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5577           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5578           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5579           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5580           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5581           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5582           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5583           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5584           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5585           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5586           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5587           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5588           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5589           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5590           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5591           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5592           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5593           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR5594           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5595           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5596           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5597           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5598           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5599           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5600           |                               |        |        | HR5599 (Lo-16bits)            |
| HR5601           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5602           |                               |        |        | HR5601 (Lo-16bits)            |
| HR5603           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5604           |                               |        |        | HR5603 (Lo-16bits)            |
| HR5605           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5606           |                               |        |        | HR5605 (Lo-16bits)            |
| HR5607           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5608           |                               |        |        | HR5607 (Lo-16bits)            |
| HR5609           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5610           |                               |        |        | HR5609 (Lo-16bits)            |
| HR5611           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5612           |                               |        |        | HR5611 (Lo-16bits)            |
| HR5613           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5614           |                               |        |        | HR5613 (Lo-16bits)            |
| HR5615           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5616           |                               |        |        | HR5615 (Lo-16bits)            |
| HR5617           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5618           |                               |        |        | HR5617 (Lo-16bits)            |
| HR5619           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5620           |                               |        |        | HR5619 (Lo-16bits)            |
| HR5621           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5622           |                    |        |        | HR5621 (Lo-16bits)          |
| HR5623           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5624           |                    |        |        | HR5623 (Lo-16bits)          |
| HR5625           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5626           |                    |        |        | HR5625 (Lo-16bits)          |
| HR5627           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5628           |                    |        |        | HR5627 (Lo-16bits)          |
| HR5629           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5630           |                    |        |        | HR5629 (Lo-16bits)          |
| HR5631           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5632           |                    |        |        | HR5631 (Lo-16bits)          |
| HR5633           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5634           |                    |        |        | HR5633 (Lo-16bits)          |
| HR5635           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5636           |                    |        |        | HR5635 (Lo-16bits)          |
| HR5637           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5638           |                    |        |        | HR5637 (Lo-16bits)          |
| HR5639           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5640           |                    |        |        | HR5639 (Lo-16bits)          |
| HR5641           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5642           |                    |        |        | HR5641 (Lo-16bits)          |
| HR5643           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5644           |                    |        |        | HR5643 (Lo-16bits)          |
| HR5645           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5646           |                    |        |        | HR5645 (Lo-16bits)          |
| HR5647           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5648           |                    |        |        | HR5647 (Lo-16bits)          |
| HR5649           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5650           |                    |        |        | HR5649 (Lo-16bits)          |
| HR5651           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |



| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5652           |                                                                         |        |        | HR5651 (Lo-16bits)           |
| HR5653           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5654           |                                                                         |        |        | HR5653 (Lo-16bits)           |
| HR5655           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5656           |                                                                         |        |        | HR5655 (Lo-16bits)           |
| HR5657           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5658           |                                                                         |        |        | HR5657 (Lo-16bits)           |
| HR5659           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5660           |                                                                         |        |        | HR5659 (Lo-16bits)           |
| HR5661           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5662           |                                                                         |        |        | HR5661 (Lo-16bits)           |
| HR5663           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5664           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5665           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5666           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5667           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5668           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5669           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5670           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5671           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5672           |                                                                         |        |        | HR5671 (Lo-16bits)           |
| HR5673           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5674           |                                                                         |        |        | HR5673 (Lo-16bits)           |
| HR5675           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5676           |                                                                         |        |        | HR5675 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5677           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5678           |                                                |        |        | HR5677 (Lo-16bits)           |
| HR5679           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5680           |                                                |        |        | HR5679 (Lo-16bits)           |
| HR5681           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5682           |                                                |        |        | HR5681 (Lo-16bits)           |
| HR5683           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5684           |                                                |        |        | HR5683 (Lo-16bits)           |
| HR5685           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5686           |                                                |        |        | HR5685 (Lo-16bits)           |
| HR5687           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5688           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5689           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5690           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5691           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5692           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5693           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5694           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5695           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5696           |                                                |        |        | HR5695 (Lo-16bits)           |
| HR5697           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5698           |                                                |        |        | HR5697 (Lo-16bits)           |
| HR5699           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5700           |                                                |        |        | HR5699 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5701           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5702           |                                                    |        |        | HR5701 (Lo-16bits)          |
| HR5703           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5704           |                                                    |        |        | HR5703 (Lo-16bits)          |
| HR5705           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5706           |                                                    |        |        | HR5705 (Lo-16bits)          |
| HR5707           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5708           |                                                    |        |        | HR5707 (Lo-16bits)          |
| HR5709           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5710           |                                                    |        |        | HR5709 (Lo-16bits)          |
| HR5711           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5712           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5713           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5714           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5715           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5716           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5717           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5718           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5719           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5720           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5721           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5722           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR5723           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5724           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5725           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5726           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5727           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5728           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5729           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5730           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5731           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5732           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5733           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5734           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5735           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5736           |                                                    |        |        | HR5735 (Lo-16bits)                                          |
| HR5737           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5738           |                                                    |        |        | HR5737 (Lo-16bits)                                          |
| HR5739           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5740           |                                                    |        |        | HR5739 (Lo-16bits)                                          |
| HR5741           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5742           |                                                    |        |        | HR5741 (Lo-16bits)                                          |
| HR5743           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5744           |                                                    |        |        | HR5743 (Lo-16bits)                                          |
| HR5745           | DEF2:Pick-up setting I0set>>                       | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5746           |                                              |        |        | HR5745 (Lo-16bits)             |
| HR5747           | DEF2:Pick-up setting I0set>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5748           |                                              |        |        | HR5747 (Lo-16bits)             |
| HR5749           | DEF2:Pick-up setting I0set>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5750           |                                              |        |        | HR5749 (Lo-16bits)             |
| HR5751           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5752           |                                              |        |        | HR5751 (Lo-16bits)             |
| HR5753           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5754           |                                              |        |        | HR5753 (Lo-16bits)             |
| HR5755           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5756           |                                              |        |        | HR5755 (Lo-16bits)             |
| HR5757           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5758           |                                              |        |        | HR5757 (Lo-16bits)             |
| HR5759           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5760           |                                              |        |        | HR5759 (Lo-16bits)             |
| HR5761           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5762           |                                              |        |        | HR5761 (Lo-16bits)             |
| HR5763           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5764           |                                              |        |        | HR5763 (Lo-16bits)             |
| HR5765           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5766           |                                              |        |        | HR5765 (Lo-16bits)             |
| HR5767           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5768           |                                              |        |        | HR5767 (Lo-16bits)             |
| HR5769           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5770           |                                              |        |        | HR5769 (Lo-16bits)             |
| HR5771           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5772           |                                              |        |        | HR5771 (Lo-16bits)             |
| HR5773           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5774           |                                              |        |        | HR5773 (Lo-16bits)             |
| HR5775           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5776           |                                              |        |        | HR5775 (Lo-16bits)             |
| HR5777           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5778           |                                              |        |        | HR5777 (Lo-16bits)             |
| HR5779           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5780           |                                              |        |        | HR5779 (Lo-16bits)             |
| HR5781           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5782           |                                              |        |        | HR5781 (Lo-16bits)             |
| HR5783           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5784           |                                              |        |        | HR5783 (Lo-16bits)             |
| HR5785           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5786           |                                              |        |        | HR5785 (Lo-16bits)             |
| HR5787           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5788           |                                              |        |        | HR5787 (Lo-16bits)             |
| HR5789           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5790           |                                              |        |        | HR5789 (Lo-16bits)             |
| HR5791           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5792           |                                              |        |        | HR5791 (Lo-16bits)             |
| HR5793           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5794           |                                                |        |        | HR5793 (Lo-16bits)           |
| HR5795           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>    | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5796           |                                                |        |        | HR5795 (Lo-16bits)           |
| HR5797           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>    | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5798           |                                                |        |        | HR5797 (Lo-16bits)           |
| HR5799           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5800           |                                                |        |        | HR5799 (Lo-16bits)           |
| HR5801           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5802           |                                                |        |        | HR5801 (Lo-16bits)           |
| HR5803           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5804           |                                                |        |        | HR5803 (Lo-16bits)           |
| HR5805           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5806           |                                                |        |        | HR5805 (Lo-16bits)           |
| HR5807           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5808           |                                                |        |        | HR5807 (Lo-16bits)           |
| HR5809           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5810           |                                                |        |        | HR5809 (Lo-16bits)           |
| HR5811           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5812           |                                                |        |        | HR5811 (Lo-16bits)           |
| HR5813           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5814           |                                                |        |        | HR5813 (Lo-16bits)           |
| HR5815           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5816           |                                                |        |        | HR5815 (Lo-16bits)           |
| HR5817           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |

| Holding Register | Parameter                                         | Access | Length |                             |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR5818           |                                                   |        |        | HR5817 (Lo-16bits)          |
| HR5819           | DEF2:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5820           |                                                   |        |        | HR5819 (Lo-16bits)          |
| HR5821           | DEF2:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5822           |                                                   |        |        | HR5821 (Lo-16bits)          |
| HR5823           | DEF2:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5824           |                                                   |        |        | HR5823 (Lo-16bits)          |
| HR5825           | DEF2:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5826           |                                                   |        |        | HR5825 (Lo-16bits)          |
| HR5827           | DEF2:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5828           |                                                   |        |        | HR5827 (Lo-16bits)          |
| HR5829           | DEF2:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5830           |                                                   |        |        | HR5829 (Lo-16bits)          |
| HR5831           | DEF2:Multi-criteria<br>detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5832           | DEF2:Multi-criteria<br>detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5833           | DEF2:Multi-criteria<br>detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5834           | DEF2:Multi-criteria<br>detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5835           | DEF2:Multi-criteria<br>detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5836           | DEF2:Multi-criteria<br>detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5837           | DEF2:Multi-criteria<br>detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5838           | DEF2:Multi-criteria<br>detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5839           | DEF2:Angle MCD                                    | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR5840           |                                                   |        |        | HR5839 (Lo-16bits)          |



| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR5841           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5842           |                                                |        |        | HR5841 (Lo-16bits)             |
| HR5843           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5844           |                                                |        |        | HR5843 (Lo-16bits)             |
| HR5845           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5846           |                                                |        |        | HR5845 (Lo-16bits)             |
| HR5847           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5848           |                                                |        |        | HR5847 (Lo-16bits)             |
| HR5849           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5850           |                                                |        |        | HR5849 (Lo-16bits)             |
| HR5851           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5852           |                                                |        |        | HR5851 (Lo-16bits)             |
| HR5853           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5854           |                                                |        |        | HR5853 (Lo-16bits)             |
| HR5855           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5856           |                                                |        |        | HR5855 (Lo-16bits)             |
| HR5857           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5858           |                                                |        |        | HR5857 (Lo-16bits)             |
| HR5859           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5860           |                                                |        |        | HR5859 (Lo-16bits)             |
| HR5861           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5862           |                                                |        |        | HR5861 (Lo-16bits)             |
| HR5863           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5864           |                                                |        |        | HR5863 (Lo-16bits)             |
| HR5865           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5866           |                                                |        |        | HR5865 (Lo-16bits)             |
| HR5867           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR5868           |                                                 |        |        | HR5867 (Lo-16bits)             |
| HR5869           | DEF2:Unearth. Pick-up setting I0set (I0Sinfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5870           |                                                 |        |        | HR5869 (Lo-16bits)             |
| HR5871           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5872           |                                                 |        |        | HR5871 (Lo-16bits)             |
| HR5873           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5874           |                                                 |        |        | HR5873 (Lo-16bits)             |
| HR5875           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5876           |                                                 |        |        | HR5875 (Lo-16bits)             |
| HR5877           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5878           |                                                 |        |        | HR5877 (Lo-16bits)             |
| HR5879           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5880           |                                                 |        |        | HR5879 (Lo-16bits)             |
| HR5881           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5882           |                                                 |        |        | HR5881 (Lo-16bits)             |
| HR5883           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5884           |                                                 |        |        | HR5883 (Lo-16bits)             |
| HR5885           | DEF2:Unearth. Pick-up setting U0set(I0Sinfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5886           |                                                 |        |        | HR5885 (Lo-16bits)             |
| HR5887           | DEF2:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5888           |                                                 |        |        | HR5887 (Lo-16bits)             |
| HR5889           | DEF2:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5890           |                                                 |        |        | HR5889 (Lo-16bits)             |
| HR5891           | DEF2:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5892           |                                                 |        |        | HR5891 (Lo-16bits)             |
| HR5893           | DEF2:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |

| Holding Register | Parameter                                        | Access | Length |                                                        |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5894           |                                                  |        |        | HR5893 (Lo-16bits)                                     |
| HR5895           | DEF2:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5896           |                                                  |        |        | HR5895 (Lo-16bits)                                     |
| HR5897           | DEF2:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5898           |                                                  |        |        | HR5897 (Lo-16bits)                                     |
| HR5899           | DEF2:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5900           |                                                  |        |        | HR5899 (Lo-16bits)                                     |
| HR5901           | DEF2:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5902           |                                                  |        |        | HR5901 (Lo-16bits)                                     |
| HR5903           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5904           |                                                  |        |        | HR5903 (Lo-16bits)                                     |
| HR5905           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5906           |                                                  |        |        | HR5905 (Lo-16bits)                                     |
| HR5907           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5908           |                                                  |        |        | HR5907 (Lo-16bits)                                     |
| HR5909           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5910           |                                                  |        |        | HR5909 (Lo-16bits)                                     |
| HR5911           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5912           |                                                  |        |        | HR5911 (Lo-16bits)                                     |
| HR5913           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5914           |                                                  |        |        | HR5913 (Lo-16bits)                                     |
| HR5915           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5916           |                                                  |        |        | HR5915 (Lo-16bits)                                     |
| HR5917           | DEF2:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5918           |                                                  |        |        | HR5917 (Lo-16bits)                                     |
| HR5919           | DEF2:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5920           | DEF2:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5921           | DEF2:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |

| Holding Register | Parameter                                       | Access | Length |                                                        |
|------------------|-------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5922           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5923           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5924           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5925           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5926           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5927           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5928           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5929           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5930           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5931           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5932           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5933           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5934           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5935           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5936           |                                                 |        |        | HR5935 (Lo-16bits)                                     |
| HR5937           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5938           |                                                 |        |        | HR5937 (Lo-16bits)                                     |
| HR5939           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5940           |                                                 |        |        | HR5939 (Lo-16bits)                                     |
| HR5941           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5942           |                                                 |        |        | HR5941 (Lo-16bits)                                     |
| HR5943           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5944           |                                                 |        |        | HR5943 (Lo-16bits)                                     |
| HR5945           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5946           |                                                 |        |        | HR5945 (Lo-16bits)                                     |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR5947           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5948           |                                                 |        |        | HR5947 (Lo-16bits)           |
| HR5949           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5950           |                                                 |        |        | HR5949 (Lo-16bits)           |
| HR5951           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5952           |                                                 |        |        | HR5951 (Lo-16bits)           |
| HR5953           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5954           |                                                 |        |        | HR5953 (Lo-16bits)           |
| HR5955           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5956           |                                                 |        |        | HR5955 (Lo-16bits)           |
| HR5957           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5958           |                                                 |        |        | HR5957 (Lo-16bits)           |
| HR5959           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5960           |                                                 |        |        | HR5959 (Lo-16bits)           |
| HR5961           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5962           |                                                 |        |        | HR5961 (Lo-16bits)           |
| HR5963           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5964           |                                                 |        |        | HR5963 (Lo-16bits)           |
| HR5965           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5966           |                                                 |        |        | HR5965 (Lo-16bits)           |
| HR5967           | DEF2:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5968           |                                                 |        |        | HR5967 (Lo-16bits)           |
| HR5969           | DEF2:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5970           |                                                 |        |        | HR5969 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR5971           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5972           |                                              |        |        | HR5971 (Lo-16bits)           |
| HR5973           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5974           |                                              |        |        | HR5973 (Lo-16bits)           |
| HR5975           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5976           |                                              |        |        | HR5975 (Lo-16bits)           |
| HR5977           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5978           |                                              |        |        | HR5977 (Lo-16bits)           |
| HR5979           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5980           |                                              |        |        | HR5979 (Lo-16bits)           |
| HR5981           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5982           |                                              |        |        | HR5981 (Lo-16bits)           |
| HR5983           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5984           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5985           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5986           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5987           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5988           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5989           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5990           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5991           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5992           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5993           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5994           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5995           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5996           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5997           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5998           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5999           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6000           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6001           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6002           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6003           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6004           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6005           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6006           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6007           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6008           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6009           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6010           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6011           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6012           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6013           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6014           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6015           | DEF2:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6016           |                                |        |        | HR6015 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6017           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6018           |                          |        |        | HR6017 (Lo-16bits)            |
| HR6019           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6020           |                          |        |        | HR6019 (Lo-16bits)            |
| HR6021           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6022           |                          |        |        | HR6021 (Lo-16bits)            |
| HR6023           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6024           |                          |        |        | HR6023 (Lo-16bits)            |
| HR6025           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6026           |                          |        |        | HR6025 (Lo-16bits)            |
| HR6027           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6028           |                          |        |        | HR6027 (Lo-16bits)            |
| HR6029           | DEF2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6030           |                          |        |        | HR6029 (Lo-16bits)            |
| HR6031           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6032           |                          |        |        | HR6031 (Lo-16bits)            |
| HR6033           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6034           |                          |        |        | HR6033 (Lo-16bits)            |
| HR6035           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6036           |                          |        |        | HR6035 (Lo-16bits)            |
| HR6037           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6038           |                          |        |        | HR6037 (Lo-16bits)            |
| HR6039           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6040           |                          |        |        | HR6039 (Lo-16bits)            |
| HR6041           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6042           |                          |        |        | HR6041 (Lo-16bits)            |
| HR6043           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6044           |                          |        |        | HR6043 (Lo-16bits)            |
| HR6045           | DEF2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6046           |                          |        |        | HR6045 (Lo-16bits)            |



| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR6047           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6048           |                    |        |        | HR6047 (Lo-16bits)          |
| HR6049           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6050           |                    |        |        | HR6049 (Lo-16bits)          |
| HR6051           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6052           |                    |        |        | HR6051 (Lo-16bits)          |
| HR6053           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6054           |                    |        |        | HR6053 (Lo-16bits)          |
| HR6055           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6056           |                    |        |        | HR6055 (Lo-16bits)          |
| HR6057           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6058           |                    |        |        | HR6057 (Lo-16bits)          |
| HR6059           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6060           |                    |        |        | HR6059 (Lo-16bits)          |
| HR6061           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6062           |                    |        |        | HR6061 (Lo-16bits)          |
| HR6063           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6064           |                    |        |        | HR6063 (Lo-16bits)          |
| HR6065           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6066           |                    |        |        | HR6065 (Lo-16bits)          |
| HR6067           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6068           |                    |        |        | HR6067 (Lo-16bits)          |
| HR6069           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6070           |                    |        |        | HR6069 (Lo-16bits)          |
| HR6071           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6072           |                    |        |        | HR6071 (Lo-16bits)          |
| HR6073           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6074           |                    |        |        | HR6073 (Lo-16bits)          |
| HR6075           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6076           |                    |        |        | HR6075 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6077           | DEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6078           |                                                                         |        |        | HR6077 (Lo-16bits)           |
| HR6079           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6080           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6081           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6082           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6083           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6084           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6085           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6086           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6087           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6088           |                                                                         |        |        | HR6087 (Lo-16bits)           |
| HR6089           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6090           |                                                                         |        |        | HR6089 (Lo-16bits)           |
| HR6091           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6092           |                                                                         |        |        | HR6091 (Lo-16bits)           |
| HR6093           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6094           |                                                                         |        |        | HR6093 (Lo-16bits)           |
| HR6095           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6096           |                                                                         |        |        | HR6095 (Lo-16bits)           |
| HR6097           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6098           |                                                                         |        |        | HR6097 (Lo-16bits)           |
| HR6099           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6100           |                                                |        |        | HR6099 (Lo-16bits)           |
| HR6101           | DEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6102           |                                                |        |        | HR6101 (Lo-16bits)           |
| HR6103           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6104           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6105           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6106           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6107           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6108           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6109           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6110           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6111           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6112           |                                                |        |        | HR6111 (Lo-16bits)           |
| HR6113           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6114           |                                                |        |        | HR6113 (Lo-16bits)           |
| HR6115           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6116           |                                                |        |        | HR6115 (Lo-16bits)           |
| HR6117           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6118           |                                                |        |        | HR6117 (Lo-16bits)           |
| HR6119           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6120           |                                                |        |        | HR6119 (Lo-16bits)           |
| HR6121           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6122           |                                                |        |        | HR6121 (Lo-16bits)           |
| HR6123           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6124           |                                                |        |        | HR6123 (Lo-16bits)           |
| HR6125           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6126           |                                                    |        |        | HR6125 (Lo-16bits)                                          |
| HR6127           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6128           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6129           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6130           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6131           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6132           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6133           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6134           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6135           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6136           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6137           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6138           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6139           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6140           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6141           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6142           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6143           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |

| Holding Register | Parameter                        | Access | Length |                                                             |
|------------------|----------------------------------|--------|--------|-------------------------------------------------------------|
| HR6144           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6145           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6146           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6147           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6148           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6149           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6150           | DEF3:Grounding type              | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6151           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6152           |                                  |        |        | HR6151 (Lo-16bits)                                          |
| HR6153           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6154           |                                  |        |        | HR6153 (Lo-16bits)                                          |
| HR6155           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6156           |                                  |        |        | HR6155 (Lo-16bits)                                          |
| HR6157           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6158           |                                  |        |        | HR6157 (Lo-16bits)                                          |
| HR6159           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6160           |                                  |        |        | HR6159 (Lo-16bits)                                          |
| HR6161           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6162           |                                  |        |        | HR6161 (Lo-16bits)                                          |
| HR6163           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6164           |                                  |        |        | HR6163 (Lo-16bits)                                          |
| HR6165           | DEF3:Pick-up setting<br>I0set>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6166           |                                  |        |        | HR6165 (Lo-16bits)                                          |
| HR6167           | DEF3:Pick-up setting<br>U0set>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |
| HR6168           |                                  |        |        | HR6167 (Lo-16bits)                                          |

| Holding Register | Parameter                                        | Access | Length |                                |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6169           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6170           |                                                  |        |        | HR6169 (Lo-16bits)             |
| HR6171           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6172           |                                                  |        |        | HR6171 (Lo-16bits)             |
| HR6173           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6174           |                                                  |        |        | HR6173 (Lo-16bits)             |
| HR6175           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6176           |                                                  |        |        | HR6175 (Lo-16bits)             |
| HR6177           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6178           |                                                  |        |        | HR6177 (Lo-16bits)             |
| HR6179           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6180           |                                                  |        |        | HR6179 (Lo-16bits)             |
| HR6181           | DEF3:Pick-up setting<br>U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6182           |                                                  |        |        | HR6181 (Lo-16bits)             |
| HR6183           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6184           |                                                  |        |        | HR6183 (Lo-16bits)             |
| HR6185           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6186           |                                                  |        |        | HR6185 (Lo-16bits)             |
| HR6187           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6188           |                                                  |        |        | HR6187 (Lo-16bits)             |
| HR6189           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6190           |                                                  |        |        | HR6189 (Lo-16bits)             |
| HR6191           | DEF3:Comp. Pick-up<br>setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6192           |                                                  |        |        | HR6191 (Lo-16bits)             |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR6193           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6194           |                                               |        |        | HR6193 (Lo-16bits)             |
| HR6195           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6196           |                                               |        |        | HR6195 (Lo-16bits)             |
| HR6197           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6198           |                                               |        |        | HR6197 (Lo-16bits)             |
| HR6199           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6200           |                                               |        |        | HR6199 (Lo-16bits)             |
| HR6201           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6202           |                                               |        |        | HR6201 (Lo-16bits)             |
| HR6203           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6204           |                                               |        |        | HR6203 (Lo-16bits)             |
| HR6205           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6206           |                                               |        |        | HR6205 (Lo-16bits)             |
| HR6207           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6208           |                                               |        |        | HR6207 (Lo-16bits)             |
| HR6209           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6210           |                                               |        |        | HR6209 (Lo-16bits)             |
| HR6211           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6212           |                                               |        |        | HR6211 (Lo-16bits)             |
| HR6213           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6214           |                                               |        |        | HR6213 (Lo-16bits)             |
| HR6215           | DEF3:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |
| HR6216           |                                               |        |        | HR6215 (Lo-16bits)             |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6217           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6218           |                                                |        |        | HR6217 (Lo-16bits)           |
| HR6219           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6220           |                                                |        |        | HR6219 (Lo-16bits)           |
| HR6221           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6222           |                                                |        |        | HR6221 (Lo-16bits)           |
| HR6223           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6224           |                                                |        |        | HR6223 (Lo-16bits)           |
| HR6225           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6226           |                                                |        |        | HR6225 (Lo-16bits)           |
| HR6227           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6228           |                                                |        |        | HR6227 (Lo-16bits)           |
| HR6229           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6230           |                                                |        |        | HR6229 (Lo-16bits)           |
| HR6231           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6232           |                                                |        |        | HR6231 (Lo-16bits)           |
| HR6233           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6234           |                                                |        |        | HR6233 (Lo-16bits)           |
| HR6235           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6236           |                                                |        |        | HR6235 (Lo-16bits)           |
| HR6237           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6238           |                                                |        |        | HR6237 (Lo-16bits)           |
| HR6239           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6240           |                                                |        |        | HR6239 (Lo-16bits)           |



| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6241           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6242           |                                                |        |        | HR6241 (Lo-16bits)          |
| HR6243           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6244           |                                                |        |        | HR6243 (Lo-16bits)          |
| HR6245           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6246           |                                                |        |        | HR6245 (Lo-16bits)          |
| HR6247           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6248           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6249           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6250           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6251           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6252           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6253           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6254           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6255           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6256           |                                                |        |        | HR6255 (Lo-16bits)          |
| HR6257           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6258           |                                                |        |        | HR6257 (Lo-16bits)          |
| HR6259           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6260           |                                                |        |        | HR6259 (Lo-16bits)          |
| HR6261           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6262           |                                                |        |        | HR6261 (Lo-16bits)          |
| HR6263           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6264           |                                                |        |        | HR6263 (Lo-16bits)          |
| HR6265           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR6266           |                                                 |        |        | HR6265 (Lo-16bits)             |
| HR6267           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6268           |                                                 |        |        | HR6267 (Lo-16bits)             |
| HR6269           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6270           |                                                 |        |        | HR6269 (Lo-16bits)             |
| HR6271           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6272           |                                                 |        |        | HR6271 (Lo-16bits)             |
| HR6273           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6274           |                                                 |        |        | HR6273 (Lo-16bits)             |
| HR6275           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6276           |                                                 |        |        | HR6275 (Lo-16bits)             |
| HR6277           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6278           |                                                 |        |        | HR6277 (Lo-16bits)             |
| HR6279           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6280           |                                                 |        |        | HR6279 (Lo-16bits)             |
| HR6281           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6282           |                                                 |        |        | HR6281 (Lo-16bits)             |
| HR6283           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6284           |                                                 |        |        | HR6283 (Lo-16bits)             |
| HR6285           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6286           |                                                 |        |        | HR6285 (Lo-16bits)             |
| HR6287           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6288           |                                                 |        |        | HR6287 (Lo-16bits)             |
| HR6289           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6290           |                                                 |        |        | HR6289 (Lo-16bits)             |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6291           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6292           |                                                |        |        | HR6291 (Lo-16bits)          |
| HR6293           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6294           |                                                |        |        | HR6293 (Lo-16bits)          |
| HR6295           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6296           |                                                |        |        | HR6295 (Lo-16bits)          |
| HR6297           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6298           |                                                |        |        | HR6297 (Lo-16bits)          |
| HR6299           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6300           |                                                |        |        | HR6299 (Lo-16bits)          |
| HR6301           | DEF3:Unearth. Pick-up setting U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6302           |                                                |        |        | HR6301 (Lo-16bits)          |
| HR6303           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6304           |                                                |        |        | HR6303 (Lo-16bits)          |
| HR6305           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6306           |                                                |        |        | HR6305 (Lo-16bits)          |
| HR6307           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6308           |                                                |        |        | HR6307 (Lo-16bits)          |
| HR6309           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6310           |                                                |        |        | HR6309 (Lo-16bits)          |
| HR6311           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6312           |                                                |        |        | HR6311 (Lo-16bits)          |
| HR6313           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6314           |                                                |        |        | HR6313 (Lo-16bits)          |
| HR6315           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6316           |                                                |        |        | HR6315 (Lo-16bits)          |
| HR6317           | DEF3:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |

| Holding Register | Parameter                                        | Access | Length |                                                        |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6318           |                                                  |        |        | HR6317 (Lo-16bits)                                     |
| HR6319           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6320           |                                                  |        |        | HR6319 (Lo-16bits)                                     |
| HR6321           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6322           |                                                  |        |        | HR6321 (Lo-16bits)                                     |
| HR6323           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6324           |                                                  |        |        | HR6323 (Lo-16bits)                                     |
| HR6325           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6326           |                                                  |        |        | HR6325 (Lo-16bits)                                     |
| HR6327           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6328           |                                                  |        |        | HR6327 (Lo-16bits)                                     |
| HR6329           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6330           |                                                  |        |        | HR6329 (Lo-16bits)                                     |
| HR6331           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6332           |                                                  |        |        | HR6331 (Lo-16bits)                                     |
| HR6333           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6334           |                                                  |        |        | HR6333 (Lo-16bits)                                     |
| HR6335           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6336           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6337           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6338           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6339           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6340           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6341           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6342           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6343           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR6344           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6345           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6346           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6347           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6348           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6349           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6350           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6351           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6352           |                                                 |        |        | HR6351 (Lo-16bits)           |
| HR6353           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6354           |                                                 |        |        | HR6353 (Lo-16bits)           |
| HR6355           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6356           |                                                 |        |        | HR6355 (Lo-16bits)           |
| HR6357           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6358           |                                                 |        |        | HR6357 (Lo-16bits)           |
| HR6359           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6360           |                                                 |        |        | HR6359 (Lo-16bits)           |
| HR6361           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6362           |                                                 |        |        | HR6361 (Lo-16bits)           |
| HR6363           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6364           |                                                 |        |        | HR6363 (Lo-16bits)           |
| HR6365           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6366           |                                                 |        |        | HR6365 (Lo-16bits)           |
| HR6367           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6368           |                                                 |        |        | HR6367 (Lo-16bits)           |

| Holding Register | Parameter                                     | Access | Length |                              |
|------------------|-----------------------------------------------|--------|--------|------------------------------|
| HR6369           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6370           |                                               |        |        | HR6369 (Lo-16bits)           |
| HR6371           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6372           |                                               |        |        | HR6371 (Lo-16bits)           |
| HR6373           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6374           |                                               |        |        | HR6373 (Lo-16bits)           |
| HR6375           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6376           |                                               |        |        | HR6375 (Lo-16bits)           |
| HR6377           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6378           |                                               |        |        | HR6377 (Lo-16bits)           |
| HR6379           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6380           |                                               |        |        | HR6379 (Lo-16bits)           |
| HR6381           | DEF3:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6382           |                                               |        |        | HR6381 (Lo-16bits)           |
| HR6383           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6384           |                                               |        |        | HR6383 (Lo-16bits)           |
| HR6385           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6386           |                                               |        |        | HR6385 (Lo-16bits)           |
| HR6387           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6388           |                                               |        |        | HR6387 (Lo-16bits)           |
| HR6389           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6390           |                                               |        |        | HR6389 (Lo-16bits)           |
| HR6391           | DEF3:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6392           |                                               |        |        | HR6391 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6393           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6394           |                                              |        |        | HR6393 (Lo-16bits)                                          |
| HR6395           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6396           |                                              |        |        | HR6395 (Lo-16bits)                                          |
| HR6397           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6398           |                                              |        |        | HR6397 (Lo-16bits)                                          |
| HR6399           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6400           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6401           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6402           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6403           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6404           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6405           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6406           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6407           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6408           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6409           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6410           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6411           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6412           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6413           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6414           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6415           | DEF3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6416           | DEF3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR6417           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6418           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6419           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6420           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6421           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6422           | DEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6423           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6424           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6425           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6426           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6427           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6428           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6429           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6430           | DEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6431           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6432           |                               |        |        | HR6431 (Lo-16bits)                                          |
| HR6433           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6434           |                               |        |        | HR6433 (Lo-16bits)                                          |
| HR6435           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6436           |                               |        |        | HR6435 (Lo-16bits)                                          |
| HR6437           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6438           |                               |        |        | HR6437 (Lo-16bits)                                          |
| HR6439           | DEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |



| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6440           |                          |        |        | HR6439 (Lo-16bits)            |
| HR6441           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6442           |                          |        |        | HR6441 (Lo-16bits)            |
| HR6443           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6444           |                          |        |        | HR6443 (Lo-16bits)            |
| HR6445           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6446           |                          |        |        | HR6445 (Lo-16bits)            |
| HR6447           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6448           |                          |        |        | HR6447 (Lo-16bits)            |
| HR6449           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6450           |                          |        |        | HR6449 (Lo-16bits)            |
| HR6451           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6452           |                          |        |        | HR6451 (Lo-16bits)            |
| HR6453           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6454           |                          |        |        | HR6453 (Lo-16bits)            |
| HR6455           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6456           |                          |        |        | HR6455 (Lo-16bits)            |
| HR6457           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6458           |                          |        |        | HR6457 (Lo-16bits)            |
| HR6459           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6460           |                          |        |        | HR6459 (Lo-16bits)            |
| HR6461           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6462           |                          |        |        | HR6461 (Lo-16bits)            |
| HR6463           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6464           |                          |        |        | HR6463 (Lo-16bits)            |
| HR6465           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6466           |                          |        |        | HR6465 (Lo-16bits)            |
| HR6467           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6468           |                          |        |        | HR6467 (Lo-16bits)            |
| HR6469           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6470           |                                                    |        |        | HR6469 (Lo-16bits)          |
| HR6471           | DEF3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6472           |                                                    |        |        | HR6471 (Lo-16bits)          |
| HR6473           | DEF3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6474           |                                                    |        |        | HR6473 (Lo-16bits)          |
| HR6475           | DEF3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6476           |                                                    |        |        | HR6475 (Lo-16bits)          |
| HR6477           | DEF3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6478           |                                                    |        |        | HR6477 (Lo-16bits)          |
| HR6479           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6480           |                                                    |        |        | HR6479 (Lo-16bits)          |
| HR6481           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6482           |                                                    |        |        | HR6481 (Lo-16bits)          |
| HR6483           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6484           |                                                    |        |        | HR6483 (Lo-16bits)          |
| HR6485           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6486           |                                                    |        |        | HR6485 (Lo-16bits)          |
| HR6487           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6488           |                                                    |        |        | HR6487 (Lo-16bits)          |
| HR6489           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6490           |                                                    |        |        | HR6489 (Lo-16bits)          |
| HR6491           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6492           |                                                    |        |        | HR6491 (Lo-16bits)          |
| HR6493           | DEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6494           |                                                    |        |        | HR6493 (Lo-16bits)          |
| HR6495           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6496           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6497           | DEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6498           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6499           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6500           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6501           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6502           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6503           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6504           |                                                                         |        |        | HR6503 (Lo-16bits)           |
| HR6505           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6506           |                                                                         |        |        | HR6505 (Lo-16bits)           |
| HR6507           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6508           |                                                                         |        |        | HR6507 (Lo-16bits)           |
| HR6509           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6510           |                                                                         |        |        | HR6509 (Lo-16bits)           |
| HR6511           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6512           |                                                                         |        |        | HR6511 (Lo-16bits)           |
| HR6513           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6514           |                                                                         |        |        | HR6513 (Lo-16bits)           |
| HR6515           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6516           |                                                                         |        |        | HR6515 (Lo-16bits)           |
| HR6517           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6518           |                                                                         |        |        | HR6517 (Lo-16bits)           |
| HR6519           | DEF3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR6520           | DEF3:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR6521           | DEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6522           | DEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6523           | DEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6524           | DEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6525           | DEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6526           | DEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6527           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6528           |                                            |        |        | HR6527 (Lo-16bits)          |
| HR6529           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6530           |                                            |        |        | HR6529 (Lo-16bits)          |
| HR6531           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6532           |                                            |        |        | HR6531 (Lo-16bits)          |
| HR6533           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6534           |                                            |        |        | HR6533 (Lo-16bits)          |
| HR6535           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6536           |                                            |        |        | HR6535 (Lo-16bits)          |
| HR6537           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6538           |                                            |        |        | HR6537 (Lo-16bits)          |
| HR6539           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6540           |                                            |        |        | HR6539 (Lo-16bits)          |
| HR6541           | DEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6542           |                                            |        |        | HR6541 (Lo-16bits)          |
| HR6543           | DEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6544           | DEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6545           | DEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6546           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6547           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6548           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6549           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6550           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6551           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6552           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6553           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6554           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6555           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6556           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6557           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6558           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6559           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6560           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6561           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6562           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6563           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6564           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6565           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |

| Holding Register | Parameter                         | Access | Length |                                                             |
|------------------|-----------------------------------|--------|--------|-------------------------------------------------------------|
| HR6566           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6567           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6568           |                                   |        |        | HR6567 (Lo-16bits)                                          |
| HR6569           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6570           |                                   |        |        | HR6569 (Lo-16bits)                                          |
| HR6571           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6572           |                                   |        |        | HR6571 (Lo-16bits)                                          |
| HR6573           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6574           |                                   |        |        | HR6573 (Lo-16bits)                                          |
| HR6575           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6576           |                                   |        |        | HR6575 (Lo-16bits)                                          |
| HR6577           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6578           |                                   |        |        | HR6577 (Lo-16bits)                                          |
| HR6579           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6580           |                                   |        |        | HR6579 (Lo-16bits)                                          |
| HR6581           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6582           |                                   |        |        | HR6581 (Lo-16bits)                                          |
| HR6583           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |
| HR6584           |                                   |        |        | HR6583 (Lo-16bits)                                          |
| HR6585           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |
| HR6586           |                                   |        |        | HR6585 (Lo-16bits)                                          |
| HR6587           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |
| HR6588           |                                   |        |        | HR6587 (Lo-16bits)                                          |
| HR6589           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |

| Holding Register | Parameter                                         | Access | Length |                                |
|------------------|---------------------------------------------------|--------|--------|--------------------------------|
| HR6590           |                                                   |        |        | HR6589 (Lo-16bits)             |
| HR6591           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6592           |                                                   |        |        | HR6591 (Lo-16bits)             |
| HR6593           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6594           |                                                   |        |        | HR6593 (Lo-16bits)             |
| HR6595           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6596           |                                                   |        |        | HR6595 (Lo-16bits)             |
| HR6597           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6598           |                                                   |        |        | HR6597 (Lo-16bits)             |
| HR6599           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6600           |                                                   |        |        | HR6599 (Lo-16bits)             |
| HR6601           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6602           |                                                   |        |        | HR6601 (Lo-16bits)             |
| HR6603           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6604           |                                                   |        |        | HR6603 (Lo-16bits)             |
| HR6605           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6606           |                                                   |        |        | HR6605 (Lo-16bits)             |
| HR6607           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6608           |                                                   |        |        | HR6607 (Lo-16bits)             |
| HR6609           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6610           |                                                   |        |        | HR6609 (Lo-16bits)             |
| HR6611           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6612           |                                                   |        |        | HR6611 (Lo-16bits)             |
| HR6613           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                     | Access | Length |                              |
|------------------|-----------------------------------------------|--------|--------|------------------------------|
| HR6614           |                                               |        |        | HR6613 (Lo-16bits)           |
| HR6615           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6616           |                                               |        |        | HR6615 (Lo-16bits)           |
| HR6617           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6618           |                                               |        |        | HR6617 (Lo-16bits)           |
| HR6619           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6620           |                                               |        |        | HR6619 (Lo-16bits)           |
| HR6621           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6622           |                                               |        |        | HR6621 (Lo-16bits)           |
| HR6623           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6624           |                                               |        |        | HR6623 (Lo-16bits)           |
| HR6625           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6626           |                                               |        |        | HR6625 (Lo-16bits)           |
| HR6627           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6628           |                                               |        |        | HR6627 (Lo-16bits)           |
| HR6629           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6630           |                                               |        |        | HR6629 (Lo-16bits)           |
| HR6631           | DEF4:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6632           |                                               |        |        | HR6631 (Lo-16bits)           |
| HR6633           | DEF4:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6634           |                                               |        |        | HR6633 (Lo-16bits)           |
| HR6635           | DEF4:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6636           |                                               |        |        | HR6635 (Lo-16bits)           |
| HR6637           | DEF4:Unearthed / Compensated border angle     | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |



| Holding Register | Parameter                                         | Access | Length |                              |
|------------------|---------------------------------------------------|--------|--------|------------------------------|
| HR6638           |                                                   |        |        | HR6637 (Lo-16bits)           |
| HR6639           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6640           |                                                   |        |        | HR6639 (Lo-16bits)           |
| HR6641           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6642           |                                                   |        |        | HR6641 (Lo-16bits)           |
| HR6643           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6644           |                                                   |        |        | HR6643 (Lo-16bits)           |
| HR6645           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6646           |                                                   |        |        | HR6645 (Lo-16bits)           |
| HR6647           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6648           |                                                   |        |        | HR6647 (Lo-16bits)           |
| HR6649           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6650           |                                                   |        |        | HR6649 (Lo-16bits)           |
| HR6651           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6652           |                                                   |        |        | HR6651 (Lo-16bits)           |
| HR6653           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6654           |                                                   |        |        | HR6653 (Lo-16bits)           |
| HR6655           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6656           |                                                   |        |        | HR6655 (Lo-16bits)           |
| HR6657           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6658           |                                                   |        |        | HR6657 (Lo-16bits)           |
| HR6659           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6660           |                                                   |        |        | HR6659 (Lo-16bits)           |
| HR6661           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |

| Holding Register | Parameter                                        | Access | Length |                                |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6662           |                                                  |        |        | HR6661 (Lo-16bits)             |
| HR6663           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6664           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6665           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6666           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6667           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6668           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6669           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6670           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR6671           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6672           |                                                  |        |        | HR6671 (Lo-16bits)             |
| HR6673           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6674           |                                                  |        |        | HR6673 (Lo-16bits)             |
| HR6675           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6676           |                                                  |        |        | HR6675 (Lo-16bits)             |
| HR6677           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6678           |                                                  |        |        | HR6677 (Lo-16bits)             |
| HR6679           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6680           |                                                  |        |        | HR6679 (Lo-16bits)             |
| HR6681           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6682           |                                                  |        |        | HR6681 (Lo-16bits)             |
| HR6683           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6684           |                                                  |        |        | HR6683 (Lo-16bits)             |
| HR6685           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6686           |                                                  |        |        | HR6685 (Lo-16bits)             |
| HR6687           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                        | Access | Length |                                |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6688           |                                                  |        |        | HR6687 (Lo-16bits)             |
| HR6689           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6690           |                                                  |        |        | HR6689 (Lo-16bits)             |
| HR6691           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6692           |                                                  |        |        | HR6691 (Lo-16bits)             |
| HR6693           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6694           |                                                  |        |        | HR6693 (Lo-16bits)             |
| HR6695           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6696           |                                                  |        |        | HR6695 (Lo-16bits)             |
| HR6697           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6698           |                                                  |        |        | HR6697 (Lo-16bits)             |
| HR6699           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6700           |                                                  |        |        | HR6699 (Lo-16bits)             |
| HR6701           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6702           |                                                  |        |        | HR6701 (Lo-16bits)             |
| HR6703           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6704           |                                                  |        |        | HR6703 (Lo-16bits)             |
| HR6705           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6706           |                                                  |        |        | HR6705 (Lo-16bits)             |
| HR6707           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6708           |                                                  |        |        | HR6707 (Lo-16bits)             |
| HR6709           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6710           |                                                  |        |        | HR6709 (Lo-16bits)             |
| HR6711           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR6712           |                                                 |        |        | HR6711 (Lo-16bits)             |
| HR6713           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6714           |                                                 |        |        | HR6713 (Lo-16bits)             |
| HR6715           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6716           |                                                 |        |        | HR6715 (Lo-16bits)             |
| HR6717           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6718           |                                                 |        |        | HR6717 (Lo-16bits)             |
| HR6719           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6720           |                                                 |        |        | HR6719 (Lo-16bits)             |
| HR6721           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6722           |                                                 |        |        | HR6721 (Lo-16bits)             |
| HR6723           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6724           |                                                 |        |        | HR6723 (Lo-16bits)             |
| HR6725           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6726           |                                                 |        |        | HR6725 (Lo-16bits)             |
| HR6727           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6728           |                                                 |        |        | HR6727 (Lo-16bits)             |
| HR6729           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6730           |                                                 |        |        | HR6729 (Lo-16bits)             |
| HR6731           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6732           |                                                 |        |        | HR6731 (Lo-16bits)             |
| HR6733           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6734           |                                                 |        |        | HR6733 (Lo-16bits)             |
| HR6735           | DEF4:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR6736           |                                                 |        |        | HR6735 (Lo-16bits)             |
| HR6737           | DEF4:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR6738           |                                                 |        |        | HR6737 (Lo-16bits)             |
| HR6739           | DEF4:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR6740           |                                                 |        |        | HR6739 (Lo-16bits)             |

| Holding Register | Parameter                                        | Access | Length |                                                        |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6741           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6742           |                                                  |        |        | HR6741 (Lo-16bits)                                     |
| HR6743           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6744           |                                                  |        |        | HR6743 (Lo-16bits)                                     |
| HR6745           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6746           |                                                  |        |        | HR6745 (Lo-16bits)                                     |
| HR6747           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6748           |                                                  |        |        | HR6747 (Lo-16bits)                                     |
| HR6749           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6750           |                                                  |        |        | HR6749 (Lo-16bits)                                     |
| HR6751           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6752           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6753           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6754           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6755           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6756           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6757           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6758           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6759           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6760           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6761           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6762           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6763           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6764           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6765           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6766           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                            |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR6767           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6768           |                                                 |        |        | HR6767 (Lo-16bits)           |
| HR6769           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6770           |                                                 |        |        | HR6769 (Lo-16bits)           |
| HR6771           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6772           |                                                 |        |        | HR6771 (Lo-16bits)           |
| HR6773           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6774           |                                                 |        |        | HR6773 (Lo-16bits)           |
| HR6775           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6776           |                                                 |        |        | HR6775 (Lo-16bits)           |
| HR6777           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6778           |                                                 |        |        | HR6777 (Lo-16bits)           |
| HR6779           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6780           |                                                 |        |        | HR6779 (Lo-16bits)           |
| HR6781           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6782           |                                                 |        |        | HR6781 (Lo-16bits)           |
| HR6783           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6784           |                                                 |        |        | HR6783 (Lo-16bits)           |
| HR6785           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6786           |                                                 |        |        | HR6785 (Lo-16bits)           |
| HR6787           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6788           |                                                 |        |        | HR6787 (Lo-16bits)           |
| HR6789           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6790           |                                                 |        |        | HR6789 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6791           | DEF4:Definite operating time delay(Uneearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6792           |                                                |        |        | HR6791 (Lo-16bits)           |
| HR6793           | DEF4:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6794           |                                                |        |        | HR6793 (Lo-16bits)           |
| HR6795           | DEF4:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6796           |                                                |        |        | HR6795 (Lo-16bits)           |
| HR6797           | DEF4:Definite operating time delay(Unearthed)  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6798           |                                                |        |        | HR6797 (Lo-16bits)           |
| HR6799           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6800           |                                                |        |        | HR6799 (Lo-16bits)           |
| HR6801           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6802           |                                                |        |        | HR6801 (Lo-16bits)           |
| HR6803           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6804           |                                                |        |        | HR6803 (Lo-16bits)           |
| HR6805           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6806           |                                                |        |        | HR6805 (Lo-16bits)           |
| HR6807           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6808           |                                                |        |        | HR6807 (Lo-16bits)           |
| HR6809           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6810           |                                                |        |        | HR6809 (Lo-16bits)           |
| HR6811           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6812           |                                                |        |        | HR6811 (Lo-16bits)           |
| HR6813           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6814           |                                                |        |        | HR6813 (Lo-16bits)           |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR6815           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6816           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6817           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6818           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6819           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6820           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6821           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6822           | DEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6823           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6824           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6825           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6826           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6827           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6828           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6829           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6830           | DEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6831           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6832           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6833           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6834           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6835           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6836           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6837           | DEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |



| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR6838           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6839           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6840           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6841           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6842           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6843           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6844           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6845           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6846           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6847           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6848           |                               |        |        | HR6847 (Lo-16bits)                                          |
| HR6849           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6850           |                               |        |        | HR6849 (Lo-16bits)                                          |
| HR6851           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6852           |                               |        |        | HR6851 (Lo-16bits)                                          |
| HR6853           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6854           |                               |        |        | HR6853 (Lo-16bits)                                          |
| HR6855           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6856           |                               |        |        | HR6855 (Lo-16bits)                                          |
| HR6857           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6858           |                               |        |        | HR6857 (Lo-16bits)                                          |
| HR6859           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6860           |                               |        |        | HR6859 (Lo-16bits)                                          |
| HR6861           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6862           |                               |        |        | HR6861 (Lo-16bits)                                          |
| HR6863           | DEF4:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                 |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR6864           |                    |        |        | HR6863 (Lo-16bits)          |
| HR6865           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6866           |                    |        |        | HR6865 (Lo-16bits)          |
| HR6867           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6868           |                    |        |        | HR6867 (Lo-16bits)          |
| HR6869           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6870           |                    |        |        | HR6869 (Lo-16bits)          |
| HR6871           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6872           |                    |        |        | HR6871 (Lo-16bits)          |
| HR6873           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6874           |                    |        |        | HR6873 (Lo-16bits)          |
| HR6875           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6876           |                    |        |        | HR6875 (Lo-16bits)          |
| HR6877           | DEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6878           |                    |        |        | HR6877 (Lo-16bits)          |
| HR6879           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6880           |                    |        |        | HR6879 (Lo-16bits)          |
| HR6881           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6882           |                    |        |        | HR6881 (Lo-16bits)          |
| HR6883           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6884           |                    |        |        | HR6883 (Lo-16bits)          |
| HR6885           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6886           |                    |        |        | HR6885 (Lo-16bits)          |
| HR6887           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6888           |                    |        |        | HR6887 (Lo-16bits)          |
| HR6889           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6890           |                    |        |        | HR6889 (Lo-16bits)          |
| HR6891           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6892           |                    |        |        | HR6891 (Lo-16bits)          |
| HR6893           | DEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR6894           |                                                    |        |        | HR6893 (Lo-16bits)           |
| HR6895           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6896           |                                                    |        |        | HR6895 (Lo-16bits)           |
| HR6897           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6898           |                                                    |        |        | HR6897 (Lo-16bits)           |
| HR6899           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6900           |                                                    |        |        | HR6899 (Lo-16bits)           |
| HR6901           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6902           |                                                    |        |        | HR6901 (Lo-16bits)           |
| HR6903           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6904           |                                                    |        |        | HR6903 (Lo-16bits)           |
| HR6905           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6906           |                                                    |        |        | HR6905 (Lo-16bits)           |
| HR6907           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6908           |                                                    |        |        | HR6907 (Lo-16bits)           |
| HR6909           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6910           |                                                    |        |        | HR6909 (Lo-16bits)           |
| HR6911           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6912           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6913           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6914           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6915           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6916           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6917           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6918           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6919           | DEF4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6920           |                                                |        |        | HR6919 (Lo-16bits)           |
| HR6921           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6922           |                                                |        |        | HR6921 (Lo-16bits)           |
| HR6923           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6924           |                                                |        |        | HR6923 (Lo-16bits)           |
| HR6925           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6926           |                                                |        |        | HR6925 (Lo-16bits)           |
| HR6927           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6928           |                                                |        |        | HR6927 (Lo-16bits)           |
| HR6929           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6930           |                                                |        |        | HR6929 (Lo-16bits)           |
| HR6931           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6932           |                                                |        |        | HR6931 (Lo-16bits)           |
| HR6933           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6934           |                                                |        |        | HR6933 (Lo-16bits)           |
| HR6935           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6936           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6937           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6938           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6939           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6940           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6941           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6942           | DEF4:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6943           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6944           |                                                    |        |        | HR6943 (Lo-16bits)          |
| HR6945           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6946           |                                                    |        |        | HR6945 (Lo-16bits)          |
| HR6947           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6948           |                                                    |        |        | HR6947 (Lo-16bits)          |
| HR6949           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6950           |                                                    |        |        | HR6949 (Lo-16bits)          |
| HR6951           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6952           |                                                    |        |        | HR6951 (Lo-16bits)          |
| HR6953           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6954           |                                                    |        |        | HR6953 (Lo-16bits)          |
| HR6955           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6956           |                                                    |        |        | HR6955 (Lo-16bits)          |
| HR6957           | DEF4:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6958           |                                                    |        |        | HR6957 (Lo-16bits)          |
| HR6959           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6960           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6961           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6962           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6963           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6964           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6965           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6966           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6967           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR6968           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6969           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6970           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6971           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6972           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6973           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6974           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6975           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6976           |                                                    |        |        | HR6975 (Lo-16bits)            |
| HR6977           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6978           |                                                    |        |        | HR6977 (Lo-16bits)            |
| HR6979           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6980           |                                                    |        |        | HR6979 (Lo-16bits)            |
| HR6981           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6982           |                                                    |        |        | HR6981 (Lo-16bits)            |
| HR6983           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6984           |                                                    |        |        | HR6983 (Lo-16bits)            |
| HR6985           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6986           |                                                    |        |        | HR6985 (Lo-16bits)            |
| HR6987           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |

| Holding Register | Parameter                        | Access | Length |                               |
|------------------|----------------------------------|--------|--------|-------------------------------|
| HR6988           |                                  |        |        | HR6987 (Lo-16bits)            |
| HR6989           | CUB1:Pick-up setting I2set<br>pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6990           |                                  |        |        | HR6989 (Lo-16bits)            |
| HR6991           | CUB1:Pick-up setting I2/I1       | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6992           |                                  |        |        | HR6991 (Lo-16bits)            |
| HR6993           | CUB1:Pick-up setting I2/I1       | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6994           |                                  |        |        | HR6993 (Lo-16bits)            |
| HR6995           | CUB1:Pick-up setting I2/I1       | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6996           |                                  |        |        | HR6995 (Lo-16bits)            |
| HR6997           | CUB1:Pick-up setting I2/I1       | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6998           |                                  |        |        | HR6997 (Lo-16bits)            |
| HR6999           | CUB1:Pick-up setting I2/I1       | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7000           |                                  |        |        | HR6999 (Lo-16bits)            |
| HR7001           | CUB1:Pick-up setting I2/I1       | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7002           |                                  |        |        | HR7001 (Lo-16bits)            |
| HR7003           | CUB1:Pick-up setting I2/I1       | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7004           |                                  |        |        | HR7003 (Lo-16bits)            |
| HR7005           | CUB1:Pick-up setting I2/I1       | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7006           |                                  |        |        | HR7005 (Lo-16bits)            |
| HR7007           | CUB1:Minimum phase<br>current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7008           |                                  |        |        | HR7007 (Lo-16bits)            |
| HR7009           | CUB1:Minimum phase<br>current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7010           |                                  |        |        | HR7009 (Lo-16bits)            |
| HR7011           | CUB1:Minimum phase<br>current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7012           |                                  |        |        | HR7011 (Lo-16bits)            |
| HR7013           | CUB1:Minimum phase<br>current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7014           |                                  |        |        | HR7013 (Lo-16bits)            |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7015           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7016           |                                              |        |        | HR7015 (Lo-16bits)           |
| HR7017           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7018           |                                              |        |        | HR7017 (Lo-16bits)           |
| HR7019           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7020           |                                              |        |        | HR7019 (Lo-16bits)           |
| HR7021           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7022           |                                              |        |        | HR7021 (Lo-16bits)           |
| HR7023           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7024           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7025           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7026           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7027           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7028           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7029           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7030           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7031           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7032           |                                              |        |        | HR7031 (Lo-16bits)           |
| HR7033           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7034           |                                              |        |        | HR7033 (Lo-16bits)           |
| HR7035           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7036           |                                              |        |        | HR7035 (Lo-16bits)           |
| HR7037           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7038           |                                              |        |        | HR7037 (Lo-16bits)           |
| HR7039           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7040           |                                              |        |        | HR7039 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR7041           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR7042           |                                              |        |        | HR7041 (Lo-16bits)                                          |
| HR7043           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR7044           |                                              |        |        | HR7043 (Lo-16bits)                                          |
| HR7045           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR7046           |                                              |        |        | HR7045 (Lo-16bits)                                          |
| HR7047           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7048           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7049           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7050           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7051           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7052           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7053           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7054           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7055           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7056           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7057           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7058           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7059           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7060           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7061           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7062           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7063           | CUB1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7064           | CUB1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR7065           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7066           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7067           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7068           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7069           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7070           | CUB1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7071           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7072           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7073           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7074           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7075           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7076           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7077           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7078           | CUB1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7079           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7080           |                               |        |        | HR7079 (Lo-16bits)                                          |
| HR7081           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7082           |                               |        |        | HR7081 (Lo-16bits)                                          |
| HR7083           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7084           |                               |        |        | HR7083 (Lo-16bits)                                          |
| HR7085           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7086           |                               |        |        | HR7085 (Lo-16bits)                                          |
| HR7087           | CUB1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7088           |                          |        |        | HR7087 (Lo-16bits)            |
| HR7089           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7090           |                          |        |        | HR7089 (Lo-16bits)            |
| HR7091           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7092           |                          |        |        | HR7091 (Lo-16bits)            |
| HR7093           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7094           |                          |        |        | HR7093 (Lo-16bits)            |
| HR7095           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7096           |                          |        |        | HR7095 (Lo-16bits)            |
| HR7097           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7098           |                          |        |        | HR7097 (Lo-16bits)            |
| HR7099           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7100           |                          |        |        | HR7099 (Lo-16bits)            |
| HR7101           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7102           |                          |        |        | HR7101 (Lo-16bits)            |
| HR7103           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7104           |                          |        |        | HR7103 (Lo-16bits)            |
| HR7105           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7106           |                          |        |        | HR7105 (Lo-16bits)            |
| HR7107           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7108           |                          |        |        | HR7107 (Lo-16bits)            |
| HR7109           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7110           |                          |        |        | HR7109 (Lo-16bits)            |
| HR7111           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7112           |                          |        |        | HR7111 (Lo-16bits)            |
| HR7113           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7114           |                          |        |        | HR7113 (Lo-16bits)            |
| HR7115           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7116           |                          |        |        | HR7115 (Lo-16bits)            |
| HR7117           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7118           |                              |        |        | HR7117 (Lo-16bits)          |
| HR7119           | CUB1:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7120           |                              |        |        | HR7119 (Lo-16bits)          |
| HR7121           | CUB1:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7122           |                              |        |        | HR7121 (Lo-16bits)          |
| HR7123           | CUB1:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7124           |                              |        |        | HR7123 (Lo-16bits)          |
| HR7125           | CUB1:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7126           |                              |        |        | HR7125 (Lo-16bits)          |
| HR7127           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7128           |                              |        |        | HR7127 (Lo-16bits)          |
| HR7129           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7130           |                              |        |        | HR7129 (Lo-16bits)          |
| HR7131           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7132           |                              |        |        | HR7131 (Lo-16bits)          |
| HR7133           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7134           |                              |        |        | HR7133 (Lo-16bits)          |
| HR7135           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7136           |                              |        |        | HR7135 (Lo-16bits)          |
| HR7137           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7138           |                              |        |        | HR7137 (Lo-16bits)          |
| HR7139           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7140           |                              |        |        | HR7139 (Lo-16bits)          |
| HR7141           | CUB1:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7142           |                              |        |        | HR7141 (Lo-16bits)          |
| HR7143           | CUB1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7144           | CUB1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7145           | CUB1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR7146           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7147           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7148           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7149           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7150           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7151           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7152           |                                            |        |        | HR7151 (Lo-16bits)          |
| HR7153           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7154           |                                            |        |        | HR7153 (Lo-16bits)          |
| HR7155           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7156           |                                            |        |        | HR7155 (Lo-16bits)          |
| HR7157           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7158           |                                            |        |        | HR7157 (Lo-16bits)          |
| HR7159           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7160           |                                            |        |        | HR7159 (Lo-16bits)          |
| HR7161           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7162           |                                            |        |        | HR7161 (Lo-16bits)          |
| HR7163           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7164           |                                            |        |        | HR7163 (Lo-16bits)          |
| HR7165           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7166           |                                            |        |        | HR7165 (Lo-16bits)          |
| HR7167           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7168           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7169           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7170           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7171           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7172           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7173           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7174           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7175           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7176           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7177           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7178           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7179           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7180           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7181           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7182           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7183           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7184           |                                                    |        |        | HR7183 (Lo-16bits)            |
| HR7185           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7186           |                                                    |        |        | HR7185 (Lo-16bits)            |
| HR7187           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7188           |                                                    |        |        | HR7187 (Lo-16bits)            |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7189           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7190           |                               |        |        | HR7189 (Lo-16bits)            |
| HR7191           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7192           |                               |        |        | HR7191 (Lo-16bits)            |
| HR7193           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7194           |                               |        |        | HR7193 (Lo-16bits)            |
| HR7195           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7196           |                               |        |        | HR7195 (Lo-16bits)            |
| HR7197           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7198           |                               |        |        | HR7197 (Lo-16bits)            |
| HR7199           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7200           |                               |        |        | HR7199 (Lo-16bits)            |
| HR7201           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7202           |                               |        |        | HR7201 (Lo-16bits)            |
| HR7203           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7204           |                               |        |        | HR7203 (Lo-16bits)            |
| HR7205           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7206           |                               |        |        | HR7205 (Lo-16bits)            |
| HR7207           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7208           |                               |        |        | HR7207 (Lo-16bits)            |
| HR7209           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7210           |                               |        |        | HR7209 (Lo-16bits)            |
| HR7211           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7212           |                               |        |        | HR7211 (Lo-16bits)            |
| HR7213           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7214           |                               |        |        | HR7213 (Lo-16bits)            |
| HR7215           | CUB2:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7216           |                                              |        |        | HR7215 (Lo-16bits)           |
| HR7217           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7218           |                                              |        |        | HR7217 (Lo-16bits)           |
| HR7219           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7220           |                                              |        |        | HR7219 (Lo-16bits)           |
| HR7221           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7222           |                                              |        |        | HR7221 (Lo-16bits)           |
| HR7223           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7224           |                                              |        |        | HR7223 (Lo-16bits)           |
| HR7225           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7226           |                                              |        |        | HR7225 (Lo-16bits)           |
| HR7227           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7228           |                                              |        |        | HR7227 (Lo-16bits)           |
| HR7229           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7230           |                                              |        |        | HR7229 (Lo-16bits)           |
| HR7231           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7232           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7233           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7234           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7235           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7236           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7237           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7238           | CUB2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7239           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7240           |                                              |        |        | HR7239 (Lo-16bits)           |
| HR7241           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7242           |                                              |        |        | HR7241 (Lo-16bits)           |
| HR7243           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7244           |                                              |        |        | HR7243 (Lo-16bits)           |
| HR7245           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7246           |                                              |        |        | HR7245 (Lo-16bits)           |
| HR7247           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7248           |                                              |        |        | HR7247 (Lo-16bits)           |
| HR7249           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7250           |                                              |        |        | HR7249 (Lo-16bits)           |
| HR7251           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7252           |                                              |        |        | HR7251 (Lo-16bits)           |
| HR7253           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7254           |                                              |        |        | HR7253 (Lo-16bits)           |
| HR7255           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7256           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7257           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7258           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7259           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7260           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7261           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7262           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7263           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7264           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7265           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7266           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7267           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7268           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7269           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7270           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7271           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7272           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7273           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7274           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7275           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7276           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7277           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7278           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7279           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7280           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7281           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7282           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7283           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7284           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7285           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7286           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7287           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7288           |                          |        |        | HR7287 (Lo-16bits)            |
| HR7289           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7290           |                          |        |        | HR7289 (Lo-16bits)            |
| HR7291           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7292           |                          |        |        | HR7291 (Lo-16bits)            |
| HR7293           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7294           |                          |        |        | HR7293 (Lo-16bits)            |
| HR7295           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7296           |                          |        |        | HR7295 (Lo-16bits)            |
| HR7297           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7298           |                          |        |        | HR7297 (Lo-16bits)            |
| HR7299           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7300           |                          |        |        | HR7299 (Lo-16bits)            |
| HR7301           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7302           |                          |        |        | HR7301 (Lo-16bits)            |
| HR7303           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7304           |                          |        |        | HR7303 (Lo-16bits)            |
| HR7305           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7306           |                          |        |        | HR7305 (Lo-16bits)            |
| HR7307           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7308           |                          |        |        | HR7307 (Lo-16bits)            |
| HR7309           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7310           |                          |        |        | HR7309 (Lo-16bits)            |
| HR7311           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7312           |                          |        |        | HR7311 (Lo-16bits)            |
| HR7313           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7314           |                          |        |        | HR7313 (Lo-16bits)            |
| HR7315           | CUB2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7316           |                          |        |        | HR7315 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7317           | CUB2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7318           |                    |        |        | HR7317 (Lo-16bits)          |
| HR7319           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7320           |                    |        |        | HR7319 (Lo-16bits)          |
| HR7321           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7322           |                    |        |        | HR7321 (Lo-16bits)          |
| HR7323           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7324           |                    |        |        | HR7323 (Lo-16bits)          |
| HR7325           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7326           |                    |        |        | HR7325 (Lo-16bits)          |
| HR7327           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7328           |                    |        |        | HR7327 (Lo-16bits)          |
| HR7329           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7330           |                    |        |        | HR7329 (Lo-16bits)          |
| HR7331           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7332           |                    |        |        | HR7331 (Lo-16bits)          |
| HR7333           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7334           |                    |        |        | HR7333 (Lo-16bits)          |
| HR7335           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7336           |                    |        |        | HR7335 (Lo-16bits)          |
| HR7337           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7338           |                    |        |        | HR7337 (Lo-16bits)          |
| HR7339           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7340           |                    |        |        | HR7339 (Lo-16bits)          |
| HR7341           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7342           |                    |        |        | HR7341 (Lo-16bits)          |
| HR7343           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7344           |                    |        |        | HR7343 (Lo-16bits)          |
| HR7345           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7346           |                    |        |        | HR7345 (Lo-16bits)          |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7347           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7348           |                              |        |        | HR7347 (Lo-16bits)          |
| HR7349           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7350           |                              |        |        | HR7349 (Lo-16bits)          |
| HR7351           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7352           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7353           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7354           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7355           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7356           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7357           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7358           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7359           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7360           |                              |        |        | HR7359 (Lo-16bits)          |
| HR7361           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7362           |                              |        |        | HR7361 (Lo-16bits)          |
| HR7363           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7364           |                              |        |        | HR7363 (Lo-16bits)          |
| HR7365           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7366           |                              |        |        | HR7365 (Lo-16bits)          |
| HR7367           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7368           |                              |        |        | HR7367 (Lo-16bits)          |
| HR7369           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7370           |                              |        |        | HR7369 (Lo-16bits)          |
| HR7371           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7372           |                              |        |        | HR7371 (Lo-16bits)          |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7373           | CUB2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7374           |                                                    |        |        | HR7373 (Lo-16bits)          |
| HR7375           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7376           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7377           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7378           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7379           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7380           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7381           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7382           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7383           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7384           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7385           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7386           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7387           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7388           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7389           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7390           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7391           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7392           |                               |        |        | HR7391 (Lo-16bits)            |
| HR7393           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7394           |                               |        |        | HR7393 (Lo-16bits)            |
| HR7395           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7396           |                               |        |        | HR7395 (Lo-16bits)            |
| HR7397           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7398           |                               |        |        | HR7397 (Lo-16bits)            |
| HR7399           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7400           |                               |        |        | HR7399 (Lo-16bits)            |
| HR7401           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7402           |                               |        |        | HR7401 (Lo-16bits)            |
| HR7403           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7404           |                               |        |        | HR7403 (Lo-16bits)            |
| HR7405           | CUB3:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7406           |                               |        |        | HR7405 (Lo-16bits)            |
| HR7407           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7408           |                               |        |        | HR7407 (Lo-16bits)            |
| HR7409           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7410           |                               |        |        | HR7409 (Lo-16bits)            |
| HR7411           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7412           |                               |        |        | HR7411 (Lo-16bits)            |
| HR7413           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7414           |                               |        |        | HR7413 (Lo-16bits)            |
| HR7415           | CUB3:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7416           |                               |        |        | HR7415 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7417           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7418           |                            |        |        | HR7417 (Lo-16bits)           |
| HR7419           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7420           |                            |        |        | HR7419 (Lo-16bits)           |
| HR7421           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7422           |                            |        |        | HR7421 (Lo-16bits)           |
| HR7423           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7424           |                            |        |        | HR7423 (Lo-16bits)           |
| HR7425           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7426           |                            |        |        | HR7425 (Lo-16bits)           |
| HR7427           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7428           |                            |        |        | HR7427 (Lo-16bits)           |
| HR7429           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7430           |                            |        |        | HR7429 (Lo-16bits)           |
| HR7431           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7432           |                            |        |        | HR7431 (Lo-16bits)           |
| HR7433           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7434           |                            |        |        | HR7433 (Lo-16bits)           |
| HR7435           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7436           |                            |        |        | HR7435 (Lo-16bits)           |
| HR7437           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7438           |                            |        |        | HR7437 (Lo-16bits)           |
| HR7439           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7440           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7441           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7442           | CUB3:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7443           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7444           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7445           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7446           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7447           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7448           |                                              |        |        | HR7447 (Lo-16bits)           |
| HR7449           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7450           |                                              |        |        | HR7449 (Lo-16bits)           |
| HR7451           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7452           |                                              |        |        | HR7451 (Lo-16bits)           |
| HR7453           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7454           |                                              |        |        | HR7453 (Lo-16bits)           |
| HR7455           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7456           |                                              |        |        | HR7455 (Lo-16bits)           |
| HR7457           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7458           |                                              |        |        | HR7457 (Lo-16bits)           |
| HR7459           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7460           |                                              |        |        | HR7459 (Lo-16bits)           |
| HR7461           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7462           |                                              |        |        | HR7461 (Lo-16bits)           |
| HR7463           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7464           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7465           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7466           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7467           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7468           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7469           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7470           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7471           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7472           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7473           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7474           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7475           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7476           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7477           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7478           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7479           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7480           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7481           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7482           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7483           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7484           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7485           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7486           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7487           | CUB3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7488           | CUB3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7489           | CUB3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7490           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7491           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7492           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7493           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7494           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7495           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7496           |                               |        |        | HR7495 (Lo-16bits)            |
| HR7497           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7498           |                               |        |        | HR7497 (Lo-16bits)            |
| HR7499           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7500           |                               |        |        | HR7499 (Lo-16bits)            |
| HR7501           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7502           |                               |        |        | HR7501 (Lo-16bits)            |
| HR7503           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7504           |                               |        |        | HR7503 (Lo-16bits)            |
| HR7505           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7506           |                               |        |        | HR7505 (Lo-16bits)            |
| HR7507           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7508           |                               |        |        | HR7507 (Lo-16bits)            |
| HR7509           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7510           |                               |        |        | HR7509 (Lo-16bits)            |
| HR7511           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7512           |                               |        |        | HR7511 (Lo-16bits)            |
| HR7513           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7514           |                               |        |        | HR7513 (Lo-16bits)            |
| HR7515           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7516           |                               |        |        | HR7515 (Lo-16bits)            |
| HR7517           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7518           |                    |        |        | HR7517 (Lo-16bits)          |
| HR7519           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7520           |                    |        |        | HR7519 (Lo-16bits)          |
| HR7521           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7522           |                    |        |        | HR7521 (Lo-16bits)          |
| HR7523           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7524           |                    |        |        | HR7523 (Lo-16bits)          |
| HR7525           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7526           |                    |        |        | HR7525 (Lo-16bits)          |
| HR7527           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7528           |                    |        |        | HR7527 (Lo-16bits)          |
| HR7529           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7530           |                    |        |        | HR7529 (Lo-16bits)          |
| HR7531           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7532           |                    |        |        | HR7531 (Lo-16bits)          |
| HR7533           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7534           |                    |        |        | HR7533 (Lo-16bits)          |
| HR7535           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7536           |                    |        |        | HR7535 (Lo-16bits)          |
| HR7537           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7538           |                    |        |        | HR7537 (Lo-16bits)          |
| HR7539           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7540           |                    |        |        | HR7539 (Lo-16bits)          |
| HR7541           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7542           |                    |        |        | HR7541 (Lo-16bits)          |
| HR7543           | CUB3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7544           |                    |        |        | HR7543 (Lo-16bits)          |
| HR7545           | CUB3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7546           |                    |        |        | HR7545 (Lo-16bits)          |
| HR7547           | CUB3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7548           |                              |        |        | HR7547 (Lo-16bits)          |
| HR7549           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7550           |                              |        |        | HR7549 (Lo-16bits)          |
| HR7551           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7552           |                              |        |        | HR7551 (Lo-16bits)          |
| HR7553           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7554           |                              |        |        | HR7553 (Lo-16bits)          |
| HR7555           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7556           |                              |        |        | HR7555 (Lo-16bits)          |
| HR7557           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7558           |                              |        |        | HR7557 (Lo-16bits)          |
| HR7559           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7560           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7561           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7562           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7563           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7564           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7565           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7566           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7567           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7568           |                              |        |        | HR7567 (Lo-16bits)          |
| HR7569           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7570           |                              |        |        | HR7569 (Lo-16bits)          |
| HR7571           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7572           |                              |        |        | HR7571 (Lo-16bits)          |
| HR7573           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7574           |                                                    |        |        | HR7573 (Lo-16bits)          |
| HR7575           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7576           |                                                    |        |        | HR7575 (Lo-16bits)          |
| HR7577           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7578           |                                                    |        |        | HR7577 (Lo-16bits)          |
| HR7579           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7580           |                                                    |        |        | HR7579 (Lo-16bits)          |
| HR7581           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7582           |                                                    |        |        | HR7581 (Lo-16bits)          |
| HR7583           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7584           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7585           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7586           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7587           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7588           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7589           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7590           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7591           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7592           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7593           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7594           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7595           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7596           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7597           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7598           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7599           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7600           |                                                    |        |        | HR7599 (Lo-16bits)            |
| HR7601           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7602           |                                                    |        |        | HR7601 (Lo-16bits)            |
| HR7603           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7604           |                                                    |        |        | HR7603 (Lo-16bits)            |
| HR7605           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7606           |                                                    |        |        | HR7605 (Lo-16bits)            |
| HR7607           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7608           |                                                    |        |        | HR7607 (Lo-16bits)            |
| HR7609           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7610           |                                                    |        |        | HR7609 (Lo-16bits)            |
| HR7611           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7612           |                                                    |        |        | HR7611 (Lo-16bits)            |
| HR7613           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7614           |                                                    |        |        | HR7613 (Lo-16bits)            |
| HR7615           | CUB4:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7616           |                                                    |        |        | HR7615 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7617           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7618           |                            |        |        | HR7617 (Lo-16bits)           |
| HR7619           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7620           |                            |        |        | HR7619 (Lo-16bits)           |
| HR7621           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7622           |                            |        |        | HR7621 (Lo-16bits)           |
| HR7623           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7624           |                            |        |        | HR7623 (Lo-16bits)           |
| HR7625           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7626           |                            |        |        | HR7625 (Lo-16bits)           |
| HR7627           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7628           |                            |        |        | HR7627 (Lo-16bits)           |
| HR7629           | CUB4:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7630           |                            |        |        | HR7629 (Lo-16bits)           |
| HR7631           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7632           |                            |        |        | HR7631 (Lo-16bits)           |
| HR7633           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7634           |                            |        |        | HR7633 (Lo-16bits)           |
| HR7635           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7636           |                            |        |        | HR7635 (Lo-16bits)           |
| HR7637           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7638           |                            |        |        | HR7637 (Lo-16bits)           |
| HR7639           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7640           |                            |        |        | HR7639 (Lo-16bits)           |
| HR7641           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7642           |                            |        |        | HR7641 (Lo-16bits)           |
| HR7643           | CUB4:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7644           |                                              |        |        | HR7643 (Lo-16bits)           |
| HR7645           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7646           |                                              |        |        | HR7645 (Lo-16bits)           |
| HR7647           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7648           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7649           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7650           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7651           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7652           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7653           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7654           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7655           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7656           |                                              |        |        | HR7655 (Lo-16bits)           |
| HR7657           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7658           |                                              |        |        | HR7657 (Lo-16bits)           |
| HR7659           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7660           |                                              |        |        | HR7659 (Lo-16bits)           |
| HR7661           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7662           |                                              |        |        | HR7661 (Lo-16bits)           |
| HR7663           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7664           |                                              |        |        | HR7663 (Lo-16bits)           |
| HR7665           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7666           |                                              |        |        | HR7665 (Lo-16bits)           |
| HR7667           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7668           |                                              |        |        | HR7667 (Lo-16bits)           |
| HR7669           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7670           |                                |        |        | HR7669 (Lo-16bits)                                          |
| HR7671           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7672           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7673           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7674           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7675           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7676           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7677           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7678           | CUB4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7679           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7680           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7681           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7682           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7683           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7684           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7685           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7686           | CUB4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7687           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7688           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7689           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7690           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7691           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7692           | CUB4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR7693           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7694           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7695           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7696           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7697           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7698           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7699           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7700           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7701           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7702           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7703           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7704           |                               |        |        | HR7703 (Lo-16bits)                                          |
| HR7705           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7706           |                               |        |        | HR7705 (Lo-16bits)                                          |
| HR7707           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7708           |                               |        |        | HR7707 (Lo-16bits)                                          |
| HR7709           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7710           |                               |        |        | HR7709 (Lo-16bits)                                          |
| HR7711           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7712           |                               |        |        | HR7711 (Lo-16bits)                                          |
| HR7713           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7714           |                               |        |        | HR7713 (Lo-16bits)                                          |
| HR7715           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7716           |                               |        |        | HR7715 (Lo-16bits)                                          |
| HR7717           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7718           |                    |        |        | HR7717 (Lo-16bits)          |
| HR7719           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7720           |                    |        |        | HR7719 (Lo-16bits)          |
| HR7721           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7722           |                    |        |        | HR7721 (Lo-16bits)          |
| HR7723           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7724           |                    |        |        | HR7723 (Lo-16bits)          |
| HR7725           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7726           |                    |        |        | HR7725 (Lo-16bits)          |
| HR7727           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7728           |                    |        |        | HR7727 (Lo-16bits)          |
| HR7729           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7730           |                    |        |        | HR7729 (Lo-16bits)          |
| HR7731           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7732           |                    |        |        | HR7731 (Lo-16bits)          |
| HR7733           | CUB4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7734           |                    |        |        | HR7733 (Lo-16bits)          |
| HR7735           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7736           |                    |        |        | HR7735 (Lo-16bits)          |
| HR7737           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7738           |                    |        |        | HR7737 (Lo-16bits)          |
| HR7739           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7740           |                    |        |        | HR7739 (Lo-16bits)          |
| HR7741           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7742           |                    |        |        | HR7741 (Lo-16bits)          |
| HR7743           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7744           |                    |        |        | HR7743 (Lo-16bits)          |
| HR7745           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7746           |                    |        |        | HR7745 (Lo-16bits)          |
| HR7747           | CUB4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7748           |                              |        |        | HR7747 (Lo-16bits)          |
| HR7749           | CUB4:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7750           |                              |        |        | HR7749 (Lo-16bits)          |
| HR7751           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7752           |                              |        |        | HR7751 (Lo-16bits)          |
| HR7753           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7754           |                              |        |        | HR7753 (Lo-16bits)          |
| HR7755           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7756           |                              |        |        | HR7755 (Lo-16bits)          |
| HR7757           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7758           |                              |        |        | HR7757 (Lo-16bits)          |
| HR7759           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7760           |                              |        |        | HR7759 (Lo-16bits)          |
| HR7761           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7762           |                              |        |        | HR7761 (Lo-16bits)          |
| HR7763           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7764           |                              |        |        | HR7763 (Lo-16bits)          |
| HR7765           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7766           |                              |        |        | HR7765 (Lo-16bits)          |
| HR7767           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7768           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7769           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7770           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7771           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7772           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7773           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR7774           | CUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7775           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7776           |                                            |        |        | HR7775 (Lo-16bits)          |
| HR7777           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7778           |                                            |        |        | HR7777 (Lo-16bits)          |
| HR7779           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7780           |                                            |        |        | HR7779 (Lo-16bits)          |
| HR7781           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7782           |                                            |        |        | HR7781 (Lo-16bits)          |
| HR7783           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7784           |                                            |        |        | HR7783 (Lo-16bits)          |
| HR7785           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7786           |                                            |        |        | HR7785 (Lo-16bits)          |
| HR7787           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7788           |                                            |        |        | HR7787 (Lo-16bits)          |
| HR7789           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7790           |                                            |        |        | HR7789 (Lo-16bits)          |
| HR7791           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7792           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7793           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7794           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7795           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7796           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7797           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7798           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                       |
|------------------|----------------------------------------------------|--------|--------|---------------------------------------|
| HR7799           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7800           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7801           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7802           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7803           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7804           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7805           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7806           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7807           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7808           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7809           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7810           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7811           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7812           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7813           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7814           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7815           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7816           |                                                    |        |        | HR7815 (Lo-16bits)                    |
| HR7817           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7818           |                                                    |        |        | HR7817 (Lo-16bits)                    |
| HR7819           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7820           |                                                    |        |        | HR7819 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR7821           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7822           |                                   |        |        | HR7821 (Lo-16bits)           |
| HR7823           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7824           |                                   |        |        | HR7823 (Lo-16bits)           |
| HR7825           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7826           |                                   |        |        | HR7825 (Lo-16bits)           |
| HR7827           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7828           |                                   |        |        | HR7827 (Lo-16bits)           |
| HR7829           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7830           |                                   |        |        | HR7829 (Lo-16bits)           |
| HR7831           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7832           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7833           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7834           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7835           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7836           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7837           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7838           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7839           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7840           |                                   |        |        | HR7839 (Lo-16bits)           |
| HR7841           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7842           |                                   |        |        | HR7841 (Lo-16bits)           |
| HR7843           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7844           |                                   |        |        | HR7843 (Lo-16bits)           |
| HR7845           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7846           |                                   |        |        | HR7845 (Lo-16bits)           |
| HR7847           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7848           |                                   |        |        | HR7847 (Lo-16bits)           |



| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR7849           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7850           |                                   |        |        | HR7849 (Lo-16bits)            |
| HR7851           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7852           |                                   |        |        | HR7851 (Lo-16bits)            |
| HR7853           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7854           |                                   |        |        | HR7853 (Lo-16bits)            |
| HR7855           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7856           |                                   |        |        | HR7855 (Lo-16bits)            |
| HR7857           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7858           |                                   |        |        | HR7857 (Lo-16bits)            |
| HR7859           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7860           |                                   |        |        | HR7859 (Lo-16bits)            |
| HR7861           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7862           |                                   |        |        | HR7861 (Lo-16bits)            |
| HR7863           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7864           |                                   |        |        | HR7863 (Lo-16bits)            |
| HR7865           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7866           |                                   |        |        | HR7865 (Lo-16bits)            |
| HR7867           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7868           |                                   |        |        | HR7867 (Lo-16bits)            |
| HR7869           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7870           |                                   |        |        | HR7869 (Lo-16bits)            |
| HR7871           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7872           |                                   |        |        | HR7871 (Lo-16bits)            |
| HR7873           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7874           |                                   |        |        | HR7873 (Lo-16bits)            |
| HR7875           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7876           |                                   |        |        | HR7875 (Lo-16bits)            |
| HR7877           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR7878           |                             |        |        | HR7877 (Lo-16bits)            |
| HR7879           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7880           |                             |        |        | HR7879 (Lo-16bits)            |
| HR7881           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7882           |                             |        |        | HR7881 (Lo-16bits)            |
| HR7883           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7884           |                             |        |        | HR7883 (Lo-16bits)            |
| HR7885           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7886           |                             |        |        | HR7885 (Lo-16bits)            |
| HR7887           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7888           |                             |        |        | HR7887 (Lo-16bits)            |
| HR7889           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7890           |                             |        |        | HR7889 (Lo-16bits)            |
| HR7891           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7892           |                             |        |        | HR7891 (Lo-16bits)            |
| HR7893           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7894           |                             |        |        | HR7893 (Lo-16bits)            |
| HR7895           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7896           |                             |        |        | HR7895 (Lo-16bits)            |
| HR7897           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7898           |                             |        |        | HR7897 (Lo-16bits)            |
| HR7899           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7900           |                             |        |        | HR7899 (Lo-16bits)            |
| HR7901           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7902           |                             |        |        | HR7901 (Lo-16bits)            |
| HR7903           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7904           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7905           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR7906           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7907           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7908           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7909           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7910           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7911           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7912           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7913           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7914           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7915           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7916           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7917           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7918           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7919           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7920           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7921           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7922           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7923           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7924           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7925           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7926           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7927           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7928           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7929           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7930           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7931           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7932           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7933           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7934           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7935           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7936           |                                                   |        |        | HR7935 (Lo-16bits)                    |
| HR7937           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7938           |                                                   |        |        | HR7937 (Lo-16bits)                    |
| HR7939           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7940           |                                                   |        |        | HR7939 (Lo-16bits)                    |
| HR7941           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7942           |                                                   |        |        | HR7941 (Lo-16bits)                    |
| HR7943           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7944           |                                                   |        |        | HR7943 (Lo-16bits)                    |
| HR7945           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7946           |                                                   |        |        | HR7945 (Lo-16bits)                    |
| HR7947           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7948           |                                                   |        |        | HR7947 (Lo-16bits)                    |
| HR7949           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7950           |                                                   |        |        | HR7949 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR7951           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7952           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7953           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7954           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7955           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7956           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7957           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7958           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR7959           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7960           |                                   |        |        | HR7959 (Lo-16bits)            |
| HR7961           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7962           |                                   |        |        | HR7961 (Lo-16bits)            |
| HR7963           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7964           |                                   |        |        | HR7963 (Lo-16bits)            |
| HR7965           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7966           |                                   |        |        | HR7965 (Lo-16bits)            |
| HR7967           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7968           |                                   |        |        | HR7967 (Lo-16bits)            |
| HR7969           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7970           |                                   |        |        | HR7969 (Lo-16bits)            |
| HR7971           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7972           |                                   |        |        | HR7971 (Lo-16bits)            |
| HR7973           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7974           |                                   |        |        | HR7973 (Lo-16bits)            |
| HR7975           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7976           |                                   |        |        | HR7975 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR7977           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7978           |                         |        |        | HR7977 (Lo-16bits)            |
| HR7979           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7980           |                         |        |        | HR7979 (Lo-16bits)            |
| HR7981           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7982           |                         |        |        | HR7981 (Lo-16bits)            |
| HR7983           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7984           |                         |        |        | HR7983 (Lo-16bits)            |
| HR7985           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7986           |                         |        |        | HR7985 (Lo-16bits)            |
| HR7987           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7988           |                         |        |        | HR7987 (Lo-16bits)            |
| HR7989           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7990           |                         |        |        | HR7989 (Lo-16bits)            |
| HR7991           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7992           |                         |        |        | HR7991 (Lo-16bits)            |
| HR7993           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7994           |                         |        |        | HR7993 (Lo-16bits)            |
| HR7995           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7996           |                         |        |        | HR7995 (Lo-16bits)            |
| HR7997           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7998           |                         |        |        | HR7997 (Lo-16bits)            |
| HR7999           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8000           |                         |        |        | HR7999 (Lo-16bits)            |
| HR8001           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8002           |                         |        |        | HR8001 (Lo-16bits)            |
| HR8003           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8004           |                         |        |        | HR8003 (Lo-16bits)            |
| HR8005           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8006           |                         |        |        | HR8005 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8007           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8008           |                                           |        |        | HR8007 (Lo-16bits)          |
| HR8009           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8010           |                                           |        |        | HR8009 (Lo-16bits)          |
| HR8011           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8012           |                                           |        |        | HR8011 (Lo-16bits)          |
| HR8013           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8014           |                                           |        |        | HR8013 (Lo-16bits)          |
| HR8015           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8016           |                                           |        |        | HR8015 (Lo-16bits)          |
| HR8017           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8018           |                                           |        |        | HR8017 (Lo-16bits)          |
| HR8019           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8020           |                                           |        |        | HR8019 (Lo-16bits)          |
| HR8021           | OV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8022           |                                           |        |        | HR8021 (Lo-16bits)          |
| HR8023           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8024           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8025           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8026           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8027           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8028           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8029           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8030           | OV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8031           | OV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8032           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8033           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8034           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8035           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8036           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8037           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8038           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8039           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8040           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8041           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8042           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8043           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8044           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8045           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8046           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8047           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8048           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8049           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8050           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |



| Holding Register | Parameter                         | Access | Length |                                       |
|------------------|-----------------------------------|--------|--------|---------------------------------------|
| HR8051           | OV3:Pick-up terms                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8052           | OV3:Pick-up terms                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8053           | OV3:Pick-up terms                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8054           | OV3:Pick-up terms                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8055           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8056           |                                   |        |        | HR8055 (Lo-16bits)                    |
| HR8057           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8058           |                                   |        |        | HR8057 (Lo-16bits)                    |
| HR8059           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8060           |                                   |        |        | HR8059 (Lo-16bits)                    |
| HR8061           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8062           |                                   |        |        | HR8061 (Lo-16bits)                    |
| HR8063           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8064           |                                   |        |        | HR8063 (Lo-16bits)                    |
| HR8065           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8066           |                                   |        |        | HR8065 (Lo-16bits)                    |
| HR8067           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8068           |                                   |        |        | HR8067 (Lo-16bits)                    |
| HR8069           | OV3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8070           |                                   |        |        | HR8069 (Lo-16bits)                    |
| HR8071           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8072           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8073           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8074           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8075           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8076           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8077           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8078           | OV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8079           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)          |
| HR8080           |                                   |        |        | HR8079 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8081           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8082           |                                   |        |        | HR8081 (Lo-16bits)            |
| HR8083           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8084           |                                   |        |        | HR8083 (Lo-16bits)            |
| HR8085           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8086           |                                   |        |        | HR8085 (Lo-16bits)            |
| HR8087           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8088           |                                   |        |        | HR8087 (Lo-16bits)            |
| HR8089           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8090           |                                   |        |        | HR8089 (Lo-16bits)            |
| HR8091           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8092           |                                   |        |        | HR8091 (Lo-16bits)            |
| HR8093           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8094           |                                   |        |        | HR8093 (Lo-16bits)            |
| HR8095           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8096           |                                   |        |        | HR8095 (Lo-16bits)            |
| HR8097           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8098           |                                   |        |        | HR8097 (Lo-16bits)            |
| HR8099           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8100           |                                   |        |        | HR8099 (Lo-16bits)            |
| HR8101           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8102           |                                   |        |        | HR8101 (Lo-16bits)            |
| HR8103           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8104           |                                   |        |        | HR8103 (Lo-16bits)            |
| HR8105           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8106           |                                   |        |        | HR8105 (Lo-16bits)            |
| HR8107           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8108           |                         |        |        | HR8107 (Lo-16bits)            |
| HR8109           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8110           |                         |        |        | HR8109 (Lo-16bits)            |
| HR8111           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8112           |                         |        |        | HR8111 (Lo-16bits)            |
| HR8113           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8114           |                         |        |        | HR8113 (Lo-16bits)            |
| HR8115           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8116           |                         |        |        | HR8115 (Lo-16bits)            |
| HR8117           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8118           |                         |        |        | HR8117 (Lo-16bits)            |
| HR8119           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8120           |                         |        |        | HR8119 (Lo-16bits)            |
| HR8121           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8122           |                         |        |        | HR8121 (Lo-16bits)            |
| HR8123           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8124           |                         |        |        | HR8123 (Lo-16bits)            |
| HR8125           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8126           |                         |        |        | HR8125 (Lo-16bits)            |
| HR8127           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8128           |                         |        |        | HR8127 (Lo-16bits)            |
| HR8129           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8130           |                         |        |        | HR8129 (Lo-16bits)            |
| HR8131           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8132           |                         |        |        | HR8131 (Lo-16bits)            |
| HR8133           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8134           |                         |        |        | HR8133 (Lo-16bits)            |
| HR8135           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8136           |                         |        |        | HR8135 (Lo-16bits)            |
| HR8137           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8138           |                                           |        |        | HR8137 (Lo-16bits)          |
| HR8139           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8140           |                                           |        |        | HR8139 (Lo-16bits)          |
| HR8141           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8142           |                                           |        |        | HR8141 (Lo-16bits)          |
| HR8143           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8144           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8145           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8146           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8147           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8148           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8149           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8150           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8151           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8152           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8153           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8154           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8155           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8156           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8157           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8158           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8159           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8160           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8161           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8162           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8163           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8164           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8165           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8166           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8167           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8168           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8169           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8170           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8171           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8172           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8173           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8174           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8175           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8176           |                                                   |        |        | HR8175 (Lo-16bits)                    |
| HR8177           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8178           |                                                   |        |        | HR8177 (Lo-16bits)                    |
| HR8179           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8180           |                                                   |        |        | HR8179 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8181           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8182           |                                   |        |        | HR8181 (Lo-16bits)           |
| HR8183           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8184           |                                   |        |        | HR8183 (Lo-16bits)           |
| HR8185           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8186           |                                   |        |        | HR8185 (Lo-16bits)           |
| HR8187           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8188           |                                   |        |        | HR8187 (Lo-16bits)           |
| HR8189           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8190           |                                   |        |        | HR8189 (Lo-16bits)           |
| HR8191           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8192           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8193           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8194           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8195           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8196           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8197           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8198           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8199           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8200           |                                   |        |        | HR8199 (Lo-16bits)           |
| HR8201           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8202           |                                   |        |        | HR8201 (Lo-16bits)           |
| HR8203           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8204           |                                   |        |        | HR8203 (Lo-16bits)           |
| HR8205           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8206           |                                   |        |        | HR8205 (Lo-16bits)           |
| HR8207           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8208           |                                   |        |        | HR8207 (Lo-16bits)           |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8209           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8210           |                                   |        |        | HR8209 (Lo-16bits)            |
| HR8211           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8212           |                                   |        |        | HR8211 (Lo-16bits)            |
| HR8213           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8214           |                                   |        |        | HR8213 (Lo-16bits)            |
| HR8215           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8216           |                                   |        |        | HR8215 (Lo-16bits)            |
| HR8217           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8218           |                                   |        |        | HR8217 (Lo-16bits)            |
| HR8219           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8220           |                                   |        |        | HR8219 (Lo-16bits)            |
| HR8221           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8222           |                                   |        |        | HR8221 (Lo-16bits)            |
| HR8223           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8224           |                                   |        |        | HR8223 (Lo-16bits)            |
| HR8225           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8226           |                                   |        |        | HR8225 (Lo-16bits)            |
| HR8227           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8228           |                                   |        |        | HR8227 (Lo-16bits)            |
| HR8229           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8230           |                                   |        |        | HR8229 (Lo-16bits)            |
| HR8231           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8232           |                                   |        |        | HR8231 (Lo-16bits)            |
| HR8233           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8234           |                                   |        |        | HR8233 (Lo-16bits)            |
| HR8235           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8236           |                                   |        |        | HR8235 (Lo-16bits)            |
| HR8237           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8238           |                             |        |        | HR8237 (Lo-16bits)            |
| HR8239           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8240           |                             |        |        | HR8239 (Lo-16bits)            |
| HR8241           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8242           |                             |        |        | HR8241 (Lo-16bits)            |
| HR8243           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8244           |                             |        |        | HR8243 (Lo-16bits)            |
| HR8245           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8246           |                             |        |        | HR8245 (Lo-16bits)            |
| HR8247           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8248           |                             |        |        | HR8247 (Lo-16bits)            |
| HR8249           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8250           |                             |        |        | HR8249 (Lo-16bits)            |
| HR8251           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8252           |                             |        |        | HR8251 (Lo-16bits)            |
| HR8253           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8254           |                             |        |        | HR8253 (Lo-16bits)            |
| HR8255           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8256           |                             |        |        | HR8255 (Lo-16bits)            |
| HR8257           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8258           |                             |        |        | HR8257 (Lo-16bits)            |
| HR8259           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8260           |                             |        |        | HR8259 (Lo-16bits)            |
| HR8261           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8262           |                             |        |        | HR8261 (Lo-16bits)            |
| HR8263           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8264           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8265           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |



| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8266           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8267           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8268           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8269           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8270           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8271           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8272           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8273           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8274           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8275           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8276           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8277           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8278           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8279           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8280           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8281           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8282           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8283           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8284           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8285           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8286           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8287           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8288           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8289           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8290           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8291           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8292           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8293           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8294           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8295           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8296           |                                                   |        |        | HR8295 (Lo-16bits)                    |
| HR8297           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8298           |                                                   |        |        | HR8297 (Lo-16bits)                    |
| HR8299           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8300           |                                                   |        |        | HR8299 (Lo-16bits)                    |
| HR8301           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8302           |                                                   |        |        | HR8301 (Lo-16bits)                    |
| HR8303           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8304           |                                                   |        |        | HR8303 (Lo-16bits)                    |
| HR8305           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8306           |                                                   |        |        | HR8305 (Lo-16bits)                    |
| HR8307           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8308           |                                                   |        |        | HR8307 (Lo-16bits)                    |
| HR8309           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8310           |                                                   |        |        | HR8309 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8311           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8312           |                                   |        |        | HR8311 (Lo-16bits)           |
| HR8313           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8314           |                                   |        |        | HR8313 (Lo-16bits)           |
| HR8315           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8316           |                                   |        |        | HR8315 (Lo-16bits)           |
| HR8317           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8318           |                                   |        |        | HR8317 (Lo-16bits)           |
| HR8319           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8320           |                                   |        |        | HR8319 (Lo-16bits)           |
| HR8321           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8322           |                                   |        |        | HR8321 (Lo-16bits)           |
| HR8323           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8324           |                                   |        |        | HR8323 (Lo-16bits)           |
| HR8325           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8326           |                                   |        |        | HR8325 (Lo-16bits)           |
| HR8327           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8328           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8329           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8330           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8331           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8332           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8333           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8334           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8335           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8336           |                                   |        |        | HR8335 (Lo-16bits)           |
| HR8337           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8338           |                                   |        |        | HR8337 (Lo-16bits)           |
| HR8339           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8340           |                                   |        |        | HR8339 (Lo-16bits)            |
| HR8341           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8342           |                                   |        |        | HR8341 (Lo-16bits)            |
| HR8343           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8344           |                                   |        |        | HR8343 (Lo-16bits)            |
| HR8345           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8346           |                                   |        |        | HR8345 (Lo-16bits)            |
| HR8347           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8348           |                                   |        |        | HR8347 (Lo-16bits)            |
| HR8349           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8350           |                                   |        |        | HR8349 (Lo-16bits)            |
| HR8351           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8352           |                                   |        |        | HR8351 (Lo-16bits)            |
| HR8353           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8354           |                                   |        |        | HR8353 (Lo-16bits)            |
| HR8355           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8356           |                                   |        |        | HR8355 (Lo-16bits)            |
| HR8357           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8358           |                                   |        |        | HR8357 (Lo-16bits)            |
| HR8359           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8360           |                                   |        |        | HR8359 (Lo-16bits)            |
| HR8361           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8362           |                                   |        |        | HR8361 (Lo-16bits)            |
| HR8363           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8364           |                                   |        |        | HR8363 (Lo-16bits)            |
| HR8365           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8366           |                                   |        |        | HR8365 (Lo-16bits)            |
| HR8367           | UV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter              | Access | Length |                               |
|------------------|------------------------|--------|--------|-------------------------------|
| HR8368           |                        |        |        | HR8367 (Lo-16bits)            |
| HR8369           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8370           |                        |        |        | HR8369 (Lo-16bits)            |
| HR8371           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8372           |                        |        |        | HR8371 (Lo-16bits)            |
| HR8373           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8374           |                        |        |        | HR8373 (Lo-16bits)            |
| HR8375           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8376           |                        |        |        | HR8375 (Lo-16bits)            |
| HR8377           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8378           |                        |        |        | HR8377 (Lo-16bits)            |
| HR8379           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8380           |                        |        |        | HR8379 (Lo-16bits)            |
| HR8381           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8382           |                        |        |        | HR8381 (Lo-16bits)            |
| HR8383           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8384           |                        |        |        | HR8383 (Lo-16bits)            |
| HR8385           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8386           |                        |        |        | HR8385 (Lo-16bits)            |
| HR8387           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8388           |                        |        |        | HR8387 (Lo-16bits)            |
| HR8389           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8390           |                        |        |        | HR8389 (Lo-16bits)            |
| HR8391           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8392           |                        |        |        | HR8391 (Lo-16bits)            |
| HR8393           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8394           |                        |        |        | HR8393 (Lo-16bits)            |
| HR8395           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8396           |                        |        |        | HR8395 (Lo-16bits)            |
| HR8397           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                         | Access | Length |                    |
|------------------|---------------------------------------------------|--------|--------|--------------------|
| HR8398           |                                                   |        |        | HR8397 (Lo-16bits) |
| HR8399           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8400           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8401           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8402           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8403           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8404           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8405           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8406           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8407           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8408           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8409           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8410           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8411           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8412           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8413           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8414           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8415           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR8416           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8417           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8418           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8419           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8420           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8421           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8422           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8423           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8424           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8425           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8426           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8427           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8428           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8429           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8430           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8431           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8432           |                                                   |        |        | HR8431 (Lo-16bits)                    |
| HR8433           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8434           |                                                   |        |        | HR8433 (Lo-16bits)                    |
| HR8435           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8436           |                                                   |        |        | HR8435 (Lo-16bits)                    |
| HR8437           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8438           |                                                   |        |        | HR8437 (Lo-16bits)                    |
| HR8439           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8440           |                                                   |        |        | HR8439 (Lo-16bits)                    |

| Holding Register | Parameter                  | Access | Length |                             |
|------------------|----------------------------|--------|--------|-----------------------------|
| HR8441           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8442           |                            |        |        | HR8441 (Lo-16bits)          |
| HR8443           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8444           |                            |        |        | HR8443 (Lo-16bits)          |
| HR8445           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8446           |                            |        |        | HR8445 (Lo-16bits)          |
| HR8447           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8448           |                            |        |        | HR8447 (Lo-16bits)          |
| HR8449           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8450           |                            |        |        | HR8449 (Lo-16bits)          |
| HR8451           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8452           |                            |        |        | HR8451 (Lo-16bits)          |
| HR8453           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8454           |                            |        |        | HR8453 (Lo-16bits)          |
| HR8455           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8456           |                            |        |        | HR8455 (Lo-16bits)          |
| HR8457           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8458           |                            |        |        | HR8457 (Lo-16bits)          |
| HR8459           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8460           |                            |        |        | HR8459 (Lo-16bits)          |
| HR8461           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8462           |                            |        |        | HR8461 (Lo-16bits)          |
| HR8463           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8464           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8465           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8466           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8467           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8468           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8469           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8470           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |



| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8471           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8472           |                                   |        |        | HR8471 (Lo-16bits)            |
| HR8473           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8474           |                                   |        |        | HR8473 (Lo-16bits)            |
| HR8475           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8476           |                                   |        |        | HR8475 (Lo-16bits)            |
| HR8477           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8478           |                                   |        |        | HR8477 (Lo-16bits)            |
| HR8479           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8480           |                                   |        |        | HR8479 (Lo-16bits)            |
| HR8481           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8482           |                                   |        |        | HR8481 (Lo-16bits)            |
| HR8483           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8484           |                                   |        |        | HR8483 (Lo-16bits)            |
| HR8485           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8486           |                                   |        |        | HR8485 (Lo-16bits)            |
| HR8487           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8488           |                                   |        |        | HR8487 (Lo-16bits)            |
| HR8489           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8490           |                                   |        |        | HR8489 (Lo-16bits)            |
| HR8491           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8492           |                                   |        |        | HR8491 (Lo-16bits)            |
| HR8493           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8494           |                                   |        |        | HR8493 (Lo-16bits)            |
| HR8495           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8496           |                                   |        |        | HR8495 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8497           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8498           |                         |        |        | HR8497 (Lo-16bits)            |
| HR8499           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8500           |                         |        |        | HR8499 (Lo-16bits)            |
| HR8501           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8502           |                         |        |        | HR8501 (Lo-16bits)            |
| HR8503           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8504           |                         |        |        | HR8503 (Lo-16bits)            |
| HR8505           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8506           |                         |        |        | HR8505 (Lo-16bits)            |
| HR8507           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8508           |                         |        |        | HR8507 (Lo-16bits)            |
| HR8509           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8510           |                         |        |        | HR8509 (Lo-16bits)            |
| HR8511           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8512           |                         |        |        | HR8511 (Lo-16bits)            |
| HR8513           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8514           |                         |        |        | HR8513 (Lo-16bits)            |
| HR8515           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8516           |                         |        |        | HR8515 (Lo-16bits)            |
| HR8517           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8518           |                         |        |        | HR8517 (Lo-16bits)            |
| HR8519           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8520           |                         |        |        | HR8519 (Lo-16bits)            |
| HR8521           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8522           |                         |        |        | HR8521 (Lo-16bits)            |
| HR8523           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8524           |                         |        |        | HR8523 (Lo-16bits)            |
| HR8525           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8526           |                         |        |        | HR8525 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8527           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8528           |                                           |        |        | HR8527 (Lo-16bits)          |
| HR8529           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8530           |                                           |        |        | HR8529 (Lo-16bits)          |
| HR8531           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8532           |                                           |        |        | HR8531 (Lo-16bits)          |
| HR8533           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8534           |                                           |        |        | HR8533 (Lo-16bits)          |
| HR8535           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8536           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8537           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8538           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8539           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8540           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8541           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8542           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8543           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8544           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8545           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8546           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8547           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8548           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8549           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8550           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8551           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8552           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8553           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8554           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8555           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8556           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8557           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8558           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8559           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8560           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8561           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8562           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8563           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8564           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8565           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8566           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8567           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8568           |                                                   |        |        | HR8567 (Lo-16bits)                    |
| HR8569           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8570           |                                                   |        |        | HR8569 (Lo-16bits)                    |

| Holding Register | Parameter                      | Access | Length |                             |
|------------------|--------------------------------|--------|--------|-----------------------------|
| HR8571           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8572           |                                |        |        | HR8571 (Lo-16bits)          |
| HR8573           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8574           |                                |        |        | HR8573 (Lo-16bits)          |
| HR8575           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8576           |                                |        |        | HR8575 (Lo-16bits)          |
| HR8577           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8578           |                                |        |        | HR8577 (Lo-16bits)          |
| HR8579           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8580           |                                |        |        | HR8579 (Lo-16bits)          |
| HR8581           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8582           |                                |        |        | HR8581 (Lo-16bits)          |
| HR8583           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8584           |                                |        |        | HR8583 (Lo-16bits)          |
| HR8585           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8586           |                                |        |        | HR8585 (Lo-16bits)          |
| HR8587           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8588           |                                |        |        | HR8587 (Lo-16bits)          |
| HR8589           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8590           |                                |        |        | HR8589 (Lo-16bits)          |
| HR8591           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8592           |                                |        |        | HR8591 (Lo-16bits)          |
| HR8593           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8594           |                                |        |        | HR8593 (Lo-16bits)          |
| HR8595           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8596           |                                |        |        | HR8595 (Lo-16bits)          |
| HR8597           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8598           |                                   |        |        | HR8597 (Lo-16bits)            |
| HR8599           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8600           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8601           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8602           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8603           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8604           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8605           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8606           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8607           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8608           |                                   |        |        | HR8607 (Lo-16bits)            |
| HR8609           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8610           |                                   |        |        | HR8609 (Lo-16bits)            |
| HR8611           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8612           |                                   |        |        | HR8611 (Lo-16bits)            |
| HR8613           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8614           |                                   |        |        | HR8613 (Lo-16bits)            |
| HR8615           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8616           |                                   |        |        | HR8615 (Lo-16bits)            |
| HR8617           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8618           |                                   |        |        | HR8617 (Lo-16bits)            |
| HR8619           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8620           |                                   |        |        | HR8619 (Lo-16bits)            |
| HR8621           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8622           |                                   |        |        | HR8621 (Lo-16bits)            |
| HR8623           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8624           |                         |        |        | HR8623 (Lo-16bits)            |
| HR8625           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8626           |                         |        |        | HR8625 (Lo-16bits)            |
| HR8627           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8628           |                         |        |        | HR8627 (Lo-16bits)            |
| HR8629           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8630           |                         |        |        | HR8629 (Lo-16bits)            |
| HR8631           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8632           |                         |        |        | HR8631 (Lo-16bits)            |
| HR8633           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8634           |                         |        |        | HR8633 (Lo-16bits)            |
| HR8635           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8636           |                         |        |        | HR8635 (Lo-16bits)            |
| HR8637           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8638           |                         |        |        | HR8637 (Lo-16bits)            |
| HR8639           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8640           |                         |        |        | HR8639 (Lo-16bits)            |
| HR8641           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8642           |                         |        |        | HR8641 (Lo-16bits)            |
| HR8643           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8644           |                         |        |        | HR8643 (Lo-16bits)            |
| HR8645           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8646           |                         |        |        | HR8645 (Lo-16bits)            |
| HR8647           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8648           |                         |        |        | HR8647 (Lo-16bits)            |
| HR8649           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8650           |                         |        |        | HR8649 (Lo-16bits)            |
| HR8651           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8652           |                         |        |        | HR8651 (Lo-16bits)            |
| HR8653           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8654           |                                           |        |        | HR8653 (Lo-16bits)          |
| HR8655           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8656           |                                           |        |        | HR8655 (Lo-16bits)          |
| HR8657           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8658           |                                           |        |        | HR8657 (Lo-16bits)          |
| HR8659           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8660           |                                           |        |        | HR8659 (Lo-16bits)          |
| HR8661           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8662           |                                           |        |        | HR8661 (Lo-16bits)          |
| HR8663           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8664           |                                           |        |        | HR8663 (Lo-16bits)          |
| HR8665           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8666           |                                           |        |        | HR8665 (Lo-16bits)          |
| HR8667           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8668           |                                           |        |        | HR8667 (Lo-16bits)          |
| HR8669           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8670           |                                           |        |        | HR8669 (Lo-16bits)          |
| HR8671           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8672           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8673           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8674           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8675           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8676           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8677           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8678           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8679           | UV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8680           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8681           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8682           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8683           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8684           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8685           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8686           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8687           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8688           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8689           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8690           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8691           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8692           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8693           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8694           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8695           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8696           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8697           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8698           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |

| Holding Register | Parameter                       | Access | Length |                                       |
|------------------|---------------------------------|--------|--------|---------------------------------------|
| HR8699           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8700           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8701           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8702           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8703           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8704           |                                 |        |        | HR8703 (Lo-16bits)                    |
| HR8705           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8706           |                                 |        |        | HR8705 (Lo-16bits)                    |
| HR8707           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8708           |                                 |        |        | HR8707 (Lo-16bits)                    |
| HR8709           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8710           |                                 |        |        | HR8709 (Lo-16bits)                    |
| HR8711           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8712           |                                 |        |        | HR8711 (Lo-16bits)                    |
| HR8713           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8714           |                                 |        |        | HR8713 (Lo-16bits)                    |
| HR8715           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8716           |                                 |        |        | HR8715 (Lo-16bits)                    |
| HR8717           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8718           |                                 |        |        | HR8717 (Lo-16bits)                    |
| HR8719           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8720           |                                 |        |        | HR8719 (Lo-16bits)                    |
| HR8721           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8722           |                                 |        |        | HR8721 (Lo-16bits)                    |
| HR8723           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |

| Holding Register | Parameter                            | Access | Length |                              |
|------------------|--------------------------------------|--------|--------|------------------------------|
| HR8724           |                                      |        |        | HR8723 (Lo-16bits)           |
| HR8725           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8726           |                                      |        |        | HR8725 (Lo-16bits)           |
| HR8727           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8728           |                                      |        |        | HR8727 (Lo-16bits)           |
| HR8729           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8730           |                                      |        |        | HR8729 (Lo-16bits)           |
| HR8731           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8732           |                                      |        |        | HR8731 (Lo-16bits)           |
| HR8733           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8734           |                                      |        |        | HR8733 (Lo-16bits)           |
| HR8735           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8736           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8737           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8738           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8739           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8740           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8741           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8742           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8743           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8744           |                                      |        |        | HR8743 (Lo-16bits)           |
| HR8745           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8746           |                                      |        |        | HR8745 (Lo-16bits)           |
| HR8747           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8748           |                                      |        |        | HR8747 (Lo-16bits)           |
| HR8749           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8750           |                                   |        |        | HR8749 (Lo-16bits)            |
| HR8751           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8752           |                                   |        |        | HR8751 (Lo-16bits)            |
| HR8753           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8754           |                                   |        |        | HR8753 (Lo-16bits)            |
| HR8755           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8756           |                                   |        |        | HR8755 (Lo-16bits)            |
| HR8757           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8758           |                                   |        |        | HR8757 (Lo-16bits)            |
| HR8759           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8760           |                                   |        |        | HR8759 (Lo-16bits)            |
| HR8761           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8762           |                                   |        |        | HR8761 (Lo-16bits)            |
| HR8763           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8764           |                                   |        |        | HR8763 (Lo-16bits)            |
| HR8765           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8766           |                                   |        |        | HR8765 (Lo-16bits)            |
| HR8767           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8768           |                                   |        |        | HR8767 (Lo-16bits)            |
| HR8769           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8770           |                                   |        |        | HR8769 (Lo-16bits)            |
| HR8771           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8772           |                                   |        |        | HR8771 (Lo-16bits)            |
| HR8773           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8774           |                                   |        |        | HR8773 (Lo-16bits)            |
| HR8775           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8776           |                                   |        |        | HR8775 (Lo-16bits)            |
| HR8777           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8778           |                             |        |        | HR8777 (Lo-16bits)            |
| HR8779           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8780           |                             |        |        | HR8779 (Lo-16bits)            |
| HR8781           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8782           |                             |        |        | HR8781 (Lo-16bits)            |
| HR8783           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8784           |                             |        |        | HR8783 (Lo-16bits)            |
| HR8785           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8786           |                             |        |        | HR8785 (Lo-16bits)            |
| HR8787           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8788           |                             |        |        | HR8787 (Lo-16bits)            |
| HR8789           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8790           |                             |        |        | HR8789 (Lo-16bits)            |
| HR8791           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8792           |                             |        |        | HR8791 (Lo-16bits)            |
| HR8793           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8794           |                             |        |        | HR8793 (Lo-16bits)            |
| HR8795           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8796           |                             |        |        | HR8795 (Lo-16bits)            |
| HR8797           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8798           |                             |        |        | HR8797 (Lo-16bits)            |
| HR8799           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8800           |                             |        |        | HR8799 (Lo-16bits)            |
| HR8801           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8802           |                             |        |        | HR8801 (Lo-16bits)            |
| HR8803           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8804           |                             |        |        | HR8803 (Lo-16bits)            |
| HR8805           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8806           |                             |        |        | HR8805 (Lo-16bits)            |
| HR8807           | UV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8808           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8809           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8810           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8811           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8812           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8813           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8814           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8815           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8816           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8817           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8818           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8819           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8820           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8821           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8822           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8823           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8824           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8825           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8826           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                             |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR8827           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8828           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8829           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8830           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8831           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8832           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8833           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8834           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8835           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8836           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8837           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8838           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8839           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8840           |                                                   |        |        | HR8839 (Lo-16bits)          |
| HR8841           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8842           |                                                   |        |        | HR8841 (Lo-16bits)          |
| HR8843           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8844           |                                                   |        |        | HR8843 (Lo-16bits)          |
| HR8845           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8846           |                                                   |        |        | HR8845 (Lo-16bits)          |
| HR8847           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8848           |                                                   |        |        | HR8847 (Lo-16bits)          |
| HR8849           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8850           |                                                   |        |        | HR8849 (Lo-16bits)          |
| HR8851           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8852           |                                                   |        |        | HR8851 (Lo-16bits)          |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8853           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8854           |                               |        |        | HR8853 (Lo-16bits)          |
| HR8855           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8856           |                               |        |        | HR8855 (Lo-16bits)          |
| HR8857           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8858           |                               |        |        | HR8857 (Lo-16bits)          |
| HR8859           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8860           |                               |        |        | HR8859 (Lo-16bits)          |
| HR8861           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8862           |                               |        |        | HR8861 (Lo-16bits)          |
| HR8863           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8864           |                               |        |        | HR8863 (Lo-16bits)          |
| HR8865           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8866           |                               |        |        | HR8865 (Lo-16bits)          |
| HR8867           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8868           |                               |        |        | HR8867 (Lo-16bits)          |
| HR8869           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8870           |                               |        |        | HR8869 (Lo-16bits)          |
| HR8871           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8872           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8873           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8874           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8875           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8876           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8877           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8878           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |



| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8879           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8880           |                                    |        |        | HR8879 (Lo-16bits)            |
| HR8881           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8882           |                                    |        |        | HR8881 (Lo-16bits)            |
| HR8883           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8884           |                                    |        |        | HR8883 (Lo-16bits)            |
| HR8885           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8886           |                                    |        |        | HR8885 (Lo-16bits)            |
| HR8887           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8888           |                                    |        |        | HR8887 (Lo-16bits)            |
| HR8889           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8890           |                                    |        |        | HR8889 (Lo-16bits)            |
| HR8891           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8892           |                                    |        |        | HR8891 (Lo-16bits)            |
| HR8893           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8894           |                                    |        |        | HR8893 (Lo-16bits)            |
| HR8895           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8896           |                                    |        |        | HR8895 (Lo-16bits)            |
| HR8897           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8898           |                                    |        |        | HR8897 (Lo-16bits)            |
| HR8899           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8900           |                                    |        |        | HR8899 (Lo-16bits)            |
| HR8901           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8902           |                                    |        |        | HR8901 (Lo-16bits)            |
| HR8903           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8904           |                                    |        |        | HR8903 (Lo-16bits)            |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8905           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8906           |                          |        |        | HR8905 (Lo-16bits)            |
| HR8907           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8908           |                          |        |        | HR8907 (Lo-16bits)            |
| HR8909           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8910           |                          |        |        | HR8909 (Lo-16bits)            |
| HR8911           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8912           |                          |        |        | HR8911 (Lo-16bits)            |
| HR8913           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8914           |                          |        |        | HR8913 (Lo-16bits)            |
| HR8915           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8916           |                          |        |        | HR8915 (Lo-16bits)            |
| HR8917           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8918           |                          |        |        | HR8917 (Lo-16bits)            |
| HR8919           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8920           |                          |        |        | HR8919 (Lo-16bits)            |
| HR8921           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8922           |                          |        |        | HR8921 (Lo-16bits)            |
| HR8923           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8924           |                          |        |        | HR8923 (Lo-16bits)            |
| HR8925           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8926           |                          |        |        | HR8925 (Lo-16bits)            |
| HR8927           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8928           |                          |        |        | HR8927 (Lo-16bits)            |
| HR8929           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8930           |                          |        |        | HR8929 (Lo-16bits)            |
| HR8931           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8932           |                          |        |        | HR8931 (Lo-16bits)            |
| HR8933           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8934           |                          |        |        | HR8933 (Lo-16bits)            |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR8935           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8936           |                                            |        |        | HR8935 (Lo-16bits)          |
| HR8937           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8938           |                                            |        |        | HR8937 (Lo-16bits)          |
| HR8939           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8940           |                                            |        |        | HR8939 (Lo-16bits)          |
| HR8941           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8942           |                                            |        |        | HR8941 (Lo-16bits)          |
| HR8943           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8944           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8945           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8946           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8947           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8948           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8949           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8950           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8951           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8952           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8953           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8954           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8955           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8956           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8957           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR8958           | VUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8959           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8960           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8961           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8962           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8963           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8964           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8965           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8966           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8967           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8968           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8969           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8970           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8971           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8972           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8973           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8974           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8975           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8976           |                                                    |        |        | HR8975 (Lo-16bits)          |
| HR8977           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8978           |                                                    |        |        | HR8977 (Lo-16bits)          |
| HR8979           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8980           |                               |        |        | HR8979 (Lo-16bits)          |
| HR8981           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8982           |                               |        |        | HR8981 (Lo-16bits)          |
| HR8983           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8984           |                               |        |        | HR8983 (Lo-16bits)          |
| HR8985           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8986           |                               |        |        | HR8985 (Lo-16bits)          |
| HR8987           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8988           |                               |        |        | HR8987 (Lo-16bits)          |
| HR8989           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8990           |                               |        |        | HR8989 (Lo-16bits)          |
| HR8991           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8992           |                               |        |        | HR8991 (Lo-16bits)          |
| HR8993           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8994           |                               |        |        | HR8993 (Lo-16bits)          |
| HR8995           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8996           |                               |        |        | HR8995 (Lo-16bits)          |
| HR8997           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8998           |                               |        |        | HR8997 (Lo-16bits)          |
| HR8999           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9000           |                               |        |        | HR8999 (Lo-16bits)          |
| HR9001           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9002           |                               |        |        | HR9001 (Lo-16bits)          |
| HR9003           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9004           |                               |        |        | HR9003 (Lo-16bits)          |
| HR9005           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9006           |                                    |        |        | HR9005 (Lo-16bits)            |
| HR9007           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR9008           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR9009           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR9010           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR9011           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR9012           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR9013           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR9014           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR9015           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9016           |                                    |        |        | HR9015 (Lo-16bits)            |
| HR9017           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9018           |                                    |        |        | HR9017 (Lo-16bits)            |
| HR9019           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9020           |                                    |        |        | HR9019 (Lo-16bits)            |
| HR9021           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9022           |                                    |        |        | HR9021 (Lo-16bits)            |
| HR9023           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9024           |                                    |        |        | HR9023 (Lo-16bits)            |
| HR9025           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9026           |                                    |        |        | HR9025 (Lo-16bits)            |
| HR9027           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9028           |                                    |        |        | HR9027 (Lo-16bits)            |
| HR9029           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9030           |                                    |        |        | HR9029 (Lo-16bits)            |
| HR9031           | VUB2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR9032           |                          |        |        | HR9031 (Lo-16bits)            |
| HR9033           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9034           |                          |        |        | HR9033 (Lo-16bits)            |
| HR9035           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9036           |                          |        |        | HR9035 (Lo-16bits)            |
| HR9037           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9038           |                          |        |        | HR9037 (Lo-16bits)            |
| HR9039           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9040           |                          |        |        | HR9039 (Lo-16bits)            |
| HR9041           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9042           |                          |        |        | HR9041 (Lo-16bits)            |
| HR9043           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9044           |                          |        |        | HR9043 (Lo-16bits)            |
| HR9045           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9046           |                          |        |        | HR9045 (Lo-16bits)            |
| HR9047           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9048           |                          |        |        | HR9047 (Lo-16bits)            |
| HR9049           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9050           |                          |        |        | HR9049 (Lo-16bits)            |
| HR9051           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9052           |                          |        |        | HR9051 (Lo-16bits)            |
| HR9053           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9054           |                          |        |        | HR9053 (Lo-16bits)            |
| HR9055           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9056           |                          |        |        | HR9055 (Lo-16bits)            |
| HR9057           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9058           |                          |        |        | HR9057 (Lo-16bits)            |
| HR9059           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9060           |                          |        |        | HR9059 (Lo-16bits)            |
| HR9061           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR9062           |                                            |        |        | HR9061 (Lo-16bits)          |
| HR9063           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9064           |                                            |        |        | HR9063 (Lo-16bits)          |
| HR9065           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9066           |                                            |        |        | HR9065 (Lo-16bits)          |
| HR9067           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9068           |                                            |        |        | HR9067 (Lo-16bits)          |
| HR9069           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9070           |                                            |        |        | HR9069 (Lo-16bits)          |
| HR9071           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9072           |                                            |        |        | HR9071 (Lo-16bits)          |
| HR9073           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9074           |                                            |        |        | HR9073 (Lo-16bits)          |
| HR9075           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9076           |                                            |        |        | HR9075 (Lo-16bits)          |
| HR9077           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9078           |                                            |        |        | HR9077 (Lo-16bits)          |
| HR9079           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9080           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9081           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9082           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9083           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9084           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9085           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9086           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9087           | VUB2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                    |
|------------------|----------------------------------------------------|--------|--------|--------------------|
| HR9088           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9089           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9090           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9091           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9092           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9093           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9094           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9095           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9096           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9097           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9098           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9099           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9100           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9101           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9102           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9103           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9104           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9105           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9106           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR9107           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9108           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9109           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9110           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9111           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9112           |                               |        |        | HR9111 (Lo-16bits)          |
| HR9113           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9114           |                               |        |        | HR9113 (Lo-16bits)          |
| HR9115           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9116           |                               |        |        | HR9115 (Lo-16bits)          |
| HR9117           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9118           |                               |        |        | HR9117 (Lo-16bits)          |
| HR9119           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9120           |                               |        |        | HR9119 (Lo-16bits)          |
| HR9121           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9122           |                               |        |        | HR9121 (Lo-16bits)          |
| HR9123           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9124           |                               |        |        | HR9123 (Lo-16bits)          |
| HR9125           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9126           |                               |        |        | HR9125 (Lo-16bits)          |
| HR9127           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9128           |                               |        |        | HR9127 (Lo-16bits)          |
| HR9129           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9130           |                               |        |        | HR9129 (Lo-16bits)          |
| HR9131           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9132           |                               |        |        | HR9131 (Lo-16bits)          |
| HR9133           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9134           |                               |        |        | HR9133 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9135           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9136           |                                    |        |        | HR9135 (Lo-16bits)           |
| HR9137           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9138           |                                    |        |        | HR9137 (Lo-16bits)           |
| HR9139           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9140           |                                    |        |        | HR9139 (Lo-16bits)           |
| HR9141           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9142           |                                    |        |        | HR9141 (Lo-16bits)           |
| HR9143           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9144           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9145           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9146           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9147           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9148           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9149           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9150           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9151           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9152           |                                    |        |        | HR9151 (Lo-16bits)           |
| HR9153           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9154           |                                    |        |        | HR9153 (Lo-16bits)           |
| HR9155           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9156           |                                    |        |        | HR9155 (Lo-16bits)           |
| HR9157           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9158           |                                    |        |        | HR9157 (Lo-16bits)           |
| HR9159           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9160           |                                    |        |        | HR9159 (Lo-16bits)           |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9161           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9162           |                                    |        |        | HR9161 (Lo-16bits)            |
| HR9163           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9164           |                                    |        |        | HR9163 (Lo-16bits)            |
| HR9165           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9166           |                                    |        |        | HR9165 (Lo-16bits)            |
| HR9167           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9168           |                                    |        |        | HR9167 (Lo-16bits)            |
| HR9169           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9170           |                                    |        |        | HR9169 (Lo-16bits)            |
| HR9171           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9172           |                                    |        |        | HR9171 (Lo-16bits)            |
| HR9173           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9174           |                                    |        |        | HR9173 (Lo-16bits)            |
| HR9175           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9176           |                                    |        |        | HR9175 (Lo-16bits)            |
| HR9177           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9178           |                                    |        |        | HR9177 (Lo-16bits)            |
| HR9179           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9180           |                                    |        |        | HR9179 (Lo-16bits)            |
| HR9181           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9182           |                                    |        |        | HR9181 (Lo-16bits)            |
| HR9183           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9184           |                                    |        |        | HR9183 (Lo-16bits)            |
| HR9185           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9186           |                                    |        |        | HR9185 (Lo-16bits)            |
| HR9187           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9188           |                                    |        |        | HR9187 (Lo-16bits)            |
| HR9189           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                               |
|------------------|------------------------------|--------|--------|-------------------------------|
| HR9190           |                              |        |        | HR9189 (Lo-16bits)            |
| HR9191           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9192           |                              |        |        | HR9191 (Lo-16bits)            |
| HR9193           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9194           |                              |        |        | HR9193 (Lo-16bits)            |
| HR9195           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9196           |                              |        |        | HR9195 (Lo-16bits)            |
| HR9197           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9198           |                              |        |        | HR9197 (Lo-16bits)            |
| HR9199           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9200           |                              |        |        | HR9199 (Lo-16bits)            |
| HR9201           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9202           |                              |        |        | HR9201 (Lo-16bits)            |
| HR9203           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9204           |                              |        |        | HR9203 (Lo-16bits)            |
| HR9205           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9206           |                              |        |        | HR9205 (Lo-16bits)            |
| HR9207           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9208           |                              |        |        | HR9207 (Lo-16bits)            |
| HR9209           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9210           |                              |        |        | HR9209 (Lo-16bits)            |
| HR9211           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9212           |                              |        |        | HR9211 (Lo-16bits)            |
| HR9213           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9214           |                              |        |        | HR9213 (Lo-16bits)            |
| HR9215           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR9216           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR9217           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                          | Access | Length |            |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9218           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9219           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9220           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9221           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9222           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9223           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9224           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9225           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9226           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9227           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9228           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9229           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9230           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9231           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9232           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9233           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9234           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9235           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR9236           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9237           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9238           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9239           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9240           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9241           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9242           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9243           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9244           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9245           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9246           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9247           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9248           |                                                    |        |        | HR9247 (Lo-16bits)          |
| HR9249           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9250           |                                                    |        |        | HR9249 (Lo-16bits)          |
| HR9251           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9252           |                                                    |        |        | HR9251 (Lo-16bits)          |
| HR9253           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9254           |                                                    |        |        | HR9253 (Lo-16bits)          |
| HR9255           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9256           |                                                    |        |        | HR9255 (Lo-16bits)          |
| HR9257           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9258           |                                                    |        |        | HR9257 (Lo-16bits)          |
| HR9259           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9260           |                                                    |        |        | HR9259 (Lo-16bits)          |
| HR9261           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9262           |                                                    |        |        | HR9261 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9263           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9264           |                                    |        |        | HR9263 (Lo-16bits)           |
| HR9265           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9266           |                                    |        |        | HR9265 (Lo-16bits)           |
| HR9267           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9268           |                                    |        |        | HR9267 (Lo-16bits)           |
| HR9269           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9270           |                                    |        |        | HR9269 (Lo-16bits)           |
| HR9271           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9272           |                                    |        |        | HR9271 (Lo-16bits)           |
| HR9273           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9274           |                                    |        |        | HR9273 (Lo-16bits)           |
| HR9275           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9276           |                                    |        |        | HR9275 (Lo-16bits)           |
| HR9277           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9278           |                                    |        |        | HR9277 (Lo-16bits)           |
| HR9279           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9280           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9281           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9282           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9283           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9284           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9285           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9286           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9287           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9288           |                                    |        |        | HR9287 (Lo-16bits)           |



| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9289           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9290           |                                    |        |        | HR9289 (Lo-16bits)            |
| HR9291           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9292           |                                    |        |        | HR9291 (Lo-16bits)            |
| HR9293           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9294           |                                    |        |        | HR9293 (Lo-16bits)            |
| HR9295           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9296           |                                    |        |        | HR9295 (Lo-16bits)            |
| HR9297           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9298           |                                    |        |        | HR9297 (Lo-16bits)            |
| HR9299           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9300           |                                    |        |        | HR9299 (Lo-16bits)            |
| HR9301           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9302           |                                    |        |        | HR9301 (Lo-16bits)            |
| HR9303           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9304           |                                    |        |        | HR9303 (Lo-16bits)            |
| HR9305           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9306           |                                    |        |        | HR9305 (Lo-16bits)            |
| HR9307           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9308           |                                    |        |        | HR9307 (Lo-16bits)            |
| HR9309           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9310           |                                    |        |        | HR9309 (Lo-16bits)            |
| HR9311           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9312           |                                    |        |        | HR9311 (Lo-16bits)            |
| HR9313           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9314           |                                    |        |        | HR9313 (Lo-16bits)            |
| HR9315           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR9316           |                          |        |        | HR9315 (Lo-16bits)            |
| HR9317           | VUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9318           |                          |        |        | HR9317 (Lo-16bits)            |
| HR9319           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9320           |                          |        |        | HR9319 (Lo-16bits)            |
| HR9321           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9322           |                          |        |        | HR9321 (Lo-16bits)            |
| HR9323           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9324           |                          |        |        | HR9323 (Lo-16bits)            |
| HR9325           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9326           |                          |        |        | HR9325 (Lo-16bits)            |
| HR9327           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9328           |                          |        |        | HR9327 (Lo-16bits)            |
| HR9329           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9330           |                          |        |        | HR9329 (Lo-16bits)            |
| HR9331           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9332           |                          |        |        | HR9331 (Lo-16bits)            |
| HR9333           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9334           |                          |        |        | HR9333 (Lo-16bits)            |
| HR9335           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9336           |                          |        |        | HR9335 (Lo-16bits)            |
| HR9337           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9338           |                          |        |        | HR9337 (Lo-16bits)            |
| HR9339           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9340           |                          |        |        | HR9339 (Lo-16bits)            |
| HR9341           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9342           |                          |        |        | HR9341 (Lo-16bits)            |
| HR9343           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9344           |                          |        |        | HR9343 (Lo-16bits)            |
| HR9345           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR9346           |                                            |        |        | HR9345 (Lo-16bits)          |
| HR9347           | VUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9348           |                                            |        |        | HR9347 (Lo-16bits)          |
| HR9349           | VUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9350           |                                            |        |        | HR9349 (Lo-16bits)          |
| HR9351           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9352           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9353           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9354           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9355           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9356           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9357           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9358           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9359           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9360           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9361           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9362           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9363           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9364           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9365           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9366           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |            |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9367           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9368           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9369           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9370           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9371           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9372           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9373           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9374           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9375           | FRQV1:f> Enable                                    | R(W)   | 1      | 0=No;1=Yes |
| HR9376           | FRQV1:f>> Enable                                   | R(W)   | 1      | 0=No;1=Yes |
| HR9377           | FRQV1:f>>> Enable                                  | R(W)   | 1      | 0=No;1=Yes |
| HR9378           | FRQV1:f>>>> Enable                                 | R(W)   | 1      | 0=No;1=Yes |
| HR9379           | FRQV1:f< Enable                                    | R(W)   | 1      | 0=No;1=Yes |
| HR9380           | FRQV1:f<< Enable                                   | R(W)   | 1      | 0=No;1=Yes |
| HR9381           | FRQV1:f<<< Enable                                  | R(W)   | 1      | 0=No;1=Yes |
| HR9382           | FRQV1:f<<<< Enable                                 | R(W)   | 1      | 0=No;1=Yes |
| HR9383           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9384           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9385           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9386           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9387           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9388           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter           | Access | Length |                              |
|------------------|---------------------|--------|--------|------------------------------|
| HR9389           | FRQV1:f> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9390           | FRQV1:f> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9391           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9392           |                     |        |        | HR9391 (Lo-16bits)           |
| HR9393           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9394           |                     |        |        | HR9393 (Lo-16bits)           |
| HR9395           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9396           |                     |        |        | HR9395 (Lo-16bits)           |
| HR9397           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9398           |                     |        |        | HR9397 (Lo-16bits)           |
| HR9399           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9400           |                     |        |        | HR9399 (Lo-16bits)           |
| HR9401           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9402           |                     |        |        | HR9401 (Lo-16bits)           |
| HR9403           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9404           |                     |        |        | HR9403 (Lo-16bits)           |
| HR9405           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9406           |                     |        |        | HR9405 (Lo-16bits)           |
| HR9407           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9408           |                     |        |        | HR9407 (Lo-16bits)           |
| HR9409           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9410           |                     |        |        | HR9409 (Lo-16bits)           |
| HR9411           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9412           |                     |        |        | HR9411 (Lo-16bits)           |
| HR9413           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9414           |                     |        |        | HR9413 (Lo-16bits)           |
| HR9415           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9416           |                     |        |        | HR9415 (Lo-16bits)           |
| HR9417           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9418           |                     |        |        | HR9417 (Lo-16bits)           |

| Holding Register | Parameter            | Access | Length |                              |
|------------------|----------------------|--------|--------|------------------------------|
| HR9419           | FRQV1:f> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9420           |                      |        |        | HR9419 (Lo-16bits)           |
| HR9421           | FRQV1:f> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9422           |                      |        |        | HR9421 (Lo-16bits)           |
| HR9423           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9424           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9425           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9426           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9427           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9428           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9429           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9430           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9431           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9432           |                      |        |        | HR9431 (Lo-16bits)           |
| HR9433           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9434           |                      |        |        | HR9433 (Lo-16bits)           |
| HR9435           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9436           |                      |        |        | HR9435 (Lo-16bits)           |
| HR9437           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9438           |                      |        |        | HR9437 (Lo-16bits)           |
| HR9439           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9440           |                      |        |        | HR9439 (Lo-16bits)           |
| HR9441           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9442           |                      |        |        | HR9441 (Lo-16bits)           |
| HR9443           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9444           |                      |        |        | HR9443 (Lo-16bits)           |
| HR9445           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9446           |                      |        |        | HR9445 (Lo-16bits)           |
| HR9447           | FRQV1:f>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9448           |                      |        |        | HR9447 (Lo-16bits)           |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9449           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9450           |                       |        |        | HR9449 (Lo-16bits)           |
| HR9451           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9452           |                       |        |        | HR9451 (Lo-16bits)           |
| HR9453           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9454           |                       |        |        | HR9453 (Lo-16bits)           |
| HR9455           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9456           |                       |        |        | HR9455 (Lo-16bits)           |
| HR9457           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9458           |                       |        |        | HR9457 (Lo-16bits)           |
| HR9459           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9460           |                       |        |        | HR9459 (Lo-16bits)           |
| HR9461           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9462           |                       |        |        | HR9461 (Lo-16bits)           |
| HR9463           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9464           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9465           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9466           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9467           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9468           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9469           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9470           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9471           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9472           |                       |        |        | HR9471 (Lo-16bits)           |
| HR9473           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9474           |                       |        |        | HR9473 (Lo-16bits)           |
| HR9475           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9476           |                       |        |        | HR9475 (Lo-16bits)           |
| HR9477           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9478           |                       |        |        | HR9477 (Lo-16bits)           |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9479           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9480           |                        |        |        | HR9479 (Lo-16bits)           |
| HR9481           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9482           |                        |        |        | HR9481 (Lo-16bits)           |
| HR9483           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9484           |                        |        |        | HR9483 (Lo-16bits)           |
| HR9485           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9486           |                        |        |        | HR9485 (Lo-16bits)           |
| HR9487           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9488           |                        |        |        | HR9487 (Lo-16bits)           |
| HR9489           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9490           |                        |        |        | HR9489 (Lo-16bits)           |
| HR9491           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9492           |                        |        |        | HR9491 (Lo-16bits)           |
| HR9493           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9494           |                        |        |        | HR9493 (Lo-16bits)           |
| HR9495           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9496           |                        |        |        | HR9495 (Lo-16bits)           |
| HR9497           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9498           |                        |        |        | HR9497 (Lo-16bits)           |
| HR9499           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9500           |                        |        |        | HR9499 (Lo-16bits)           |
| HR9501           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9502           |                        |        |        | HR9501 (Lo-16bits)           |
| HR9503           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9504           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9505           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9506           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9507           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9508           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |



| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9509           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9510           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9511           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9512           |                        |        |        | HR9511 (Lo-16bits)           |
| HR9513           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9514           |                        |        |        | HR9513 (Lo-16bits)           |
| HR9515           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9516           |                        |        |        | HR9515 (Lo-16bits)           |
| HR9517           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9518           |                        |        |        | HR9517 (Lo-16bits)           |
| HR9519           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9520           |                        |        |        | HR9519 (Lo-16bits)           |
| HR9521           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9522           |                        |        |        | HR9521 (Lo-16bits)           |
| HR9523           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9524           |                        |        |        | HR9523 (Lo-16bits)           |
| HR9525           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9526           |                        |        |        | HR9525 (Lo-16bits)           |
| HR9527           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9528           |                        |        |        | HR9527 (Lo-16bits)           |
| HR9529           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9530           |                        |        |        | HR9529 (Lo-16bits)           |
| HR9531           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9532           |                        |        |        | HR9531 (Lo-16bits)           |
| HR9533           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9534           |                        |        |        | HR9533 (Lo-16bits)           |
| HR9535           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9536           |                        |        |        | HR9535 (Lo-16bits)           |
| HR9537           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9538           |                        |        |        | HR9537 (Lo-16bits)           |

| Holding Register | Parameter           | Access | Length |                              |
|------------------|---------------------|--------|--------|------------------------------|
| HR9539           | FRQV1:f>>>> Op.time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9540           |                     |        |        | HR9539 (Lo-16bits)           |
| HR9541           | FRQV1:f>>>> Op.time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9542           |                     |        |        | HR9541 (Lo-16bits)           |
| HR9543           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9544           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9545           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9546           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9547           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9548           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9549           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9550           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9551           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9552           |                     |        |        | HR9551 (Lo-16bits)           |
| HR9553           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9554           |                     |        |        | HR9553 (Lo-16bits)           |
| HR9555           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9556           |                     |        |        | HR9555 (Lo-16bits)           |
| HR9557           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9558           |                     |        |        | HR9557 (Lo-16bits)           |
| HR9559           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9560           |                     |        |        | HR9559 (Lo-16bits)           |
| HR9561           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9562           |                     |        |        | HR9561 (Lo-16bits)           |
| HR9563           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9564           |                     |        |        | HR9563 (Lo-16bits)           |
| HR9565           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9566           |                     |        |        | HR9565 (Lo-16bits)           |
| HR9567           | FRQV1:f< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9568           |                     |        |        | HR9567 (Lo-16bits)           |

| Holding Register | Parameter            | Access | Length |                              |
|------------------|----------------------|--------|--------|------------------------------|
| HR9569           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9570           |                      |        |        | HR9569 (Lo-16bits)           |
| HR9571           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9572           |                      |        |        | HR9571 (Lo-16bits)           |
| HR9573           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9574           |                      |        |        | HR9573 (Lo-16bits)           |
| HR9575           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9576           |                      |        |        | HR9575 (Lo-16bits)           |
| HR9577           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9578           |                      |        |        | HR9577 (Lo-16bits)           |
| HR9579           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9580           |                      |        |        | HR9579 (Lo-16bits)           |
| HR9581           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9582           |                      |        |        | HR9581 (Lo-16bits)           |
| HR9583           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9584           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9585           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9586           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9587           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9588           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9589           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9590           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9591           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9592           |                      |        |        | HR9591 (Lo-16bits)           |
| HR9593           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9594           |                      |        |        | HR9593 (Lo-16bits)           |
| HR9595           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9596           |                      |        |        | HR9595 (Lo-16bits)           |
| HR9597           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9598           |                      |        |        | HR9597 (Lo-16bits)           |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9599           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9600           |                       |        |        | HR9599 (Lo-16bits)           |
| HR9601           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9602           |                       |        |        | HR9601 (Lo-16bits)           |
| HR9603           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9604           |                       |        |        | HR9603 (Lo-16bits)           |
| HR9605           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9606           |                       |        |        | HR9605 (Lo-16bits)           |
| HR9607           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9608           |                       |        |        | HR9607 (Lo-16bits)           |
| HR9609           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9610           |                       |        |        | HR9609 (Lo-16bits)           |
| HR9611           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9612           |                       |        |        | HR9611 (Lo-16bits)           |
| HR9613           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9614           |                       |        |        | HR9613 (Lo-16bits)           |
| HR9615           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9616           |                       |        |        | HR9615 (Lo-16bits)           |
| HR9617           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9618           |                       |        |        | HR9617 (Lo-16bits)           |
| HR9619           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9620           |                       |        |        | HR9619 (Lo-16bits)           |
| HR9621           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9622           |                       |        |        | HR9621 (Lo-16bits)           |
| HR9623           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9624           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9625           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9626           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9627           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9628           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9629           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9630           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9631           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9632           |                       |        |        | HR9631 (Lo-16bits)           |
| HR9633           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9634           |                       |        |        | HR9633 (Lo-16bits)           |
| HR9635           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9636           |                       |        |        | HR9635 (Lo-16bits)           |
| HR9637           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9638           |                       |        |        | HR9637 (Lo-16bits)           |
| HR9639           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9640           |                       |        |        | HR9639 (Lo-16bits)           |
| HR9641           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9642           |                       |        |        | HR9641 (Lo-16bits)           |
| HR9643           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9644           |                       |        |        | HR9643 (Lo-16bits)           |
| HR9645           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9646           |                       |        |        | HR9645 (Lo-16bits)           |
| HR9647           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9648           |                       |        |        | HR9647 (Lo-16bits)           |
| HR9649           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9650           |                       |        |        | HR9649 (Lo-16bits)           |
| HR9651           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9652           |                       |        |        | HR9651 (Lo-16bits)           |
| HR9653           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9654           |                       |        |        | HR9653 (Lo-16bits)           |
| HR9655           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9656           |                       |        |        | HR9655 (Lo-16bits)           |
| HR9657           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9658           |                       |        |        | HR9657 (Lo-16bits)           |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9659           | FRQV1:f<<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9660           |                        |        |        | HR9659 (Lo-16bits)           |
| HR9661           | FRQV1:f<<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9662           |                        |        |        | HR9661 (Lo-16bits)           |
| HR9663           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9664           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9665           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9666           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9667           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9668           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9669           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9670           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9671           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9672           |                        |        |        | HR9671 (Lo-16bits)           |
| HR9673           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9674           |                        |        |        | HR9673 (Lo-16bits)           |
| HR9675           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9676           |                        |        |        | HR9675 (Lo-16bits)           |
| HR9677           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9678           |                        |        |        | HR9677 (Lo-16bits)           |
| HR9679           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9680           |                        |        |        | HR9679 (Lo-16bits)           |
| HR9681           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9682           |                        |        |        | HR9681 (Lo-16bits)           |
| HR9683           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9684           |                        |        |        | HR9683 (Lo-16bits)           |
| HR9685           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9686           |                        |        |        | HR9685 (Lo-16bits)           |
| HR9687           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9688           |                        |        |        | HR9687 (Lo-16bits)           |

| Holding Register | Parameter                 | Access | Length |                                         |
|------------------|---------------------------|--------|--------|-----------------------------------------|
| HR9689           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9690           |                           |        |        | HR9689 (Lo-16bits)                      |
| HR9691           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9692           |                           |        |        | HR9691 (Lo-16bits)                      |
| HR9693           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9694           |                           |        |        | HR9693 (Lo-16bits)                      |
| HR9695           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9696           |                           |        |        | HR9695 (Lo-16bits)                      |
| HR9697           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9698           |                           |        |        | HR9697 (Lo-16bits)                      |
| HR9699           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9700           |                           |        |        | HR9699 (Lo-16bits)                      |
| HR9701           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9702           |                           |        |        | HR9701 (Lo-16bits)                      |
| HR9703           | GSYN:GSYN Nets Standstill | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9704           |                           |        |        | HR9703 (Lo-16bits)                      |
| HR9705           | GSYN:GSYN Nets Departing  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9706           |                           |        |        | HR9705 (Lo-16bits)                      |
| HR9707           | GSYN:GSYN Nets Enclosing  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9708           |                           |        |        | HR9707 (Lo-16bits)                      |
| HR9709           | DEV:Serial number         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR9710           |                           |        |        | HR9709 (Lo-16bits)                      |
| HR9711           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9712           |                           |        |        | HR9711 (Lo-16bits)                      |
| HR9713           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9714           |                           |        |        | HR9713 (Lo-16bits)                      |
| HR9715           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9716           |                           |        |        | HR9715 (Lo-16bits)                      |
| HR9717           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |

| Holding Register | Parameter      | Access | Length |                             |
|------------------|----------------|--------|--------|-----------------------------|
| HR9718           |                |        |        | HR9717 (Lo-16bits)          |
| HR9719           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9720           |                |        |        | HR9719 (Lo-16bits)          |
| HR9721           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9722           |                |        |        | HR9721 (Lo-16bits)          |
| HR9723           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9724           |                |        |        | HR9723 (Lo-16bits)          |
| HR9725           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9726           |                |        |        | HR9725 (Lo-16bits)          |
| HR9727           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9728           |                |        |        | HR9727 (Lo-16bits)          |
| HR9729           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9730           |                |        |        | HR9729 (Lo-16bits)          |
| HR9731           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9732           |                |        |        | HR9731 (Lo-16bits)          |
| HR9733           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9734           |                |        |        | HR9733 (Lo-16bits)          |
| HR9735           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9736           |                |        |        | HR9735 (Lo-16bits)          |
| HR9737           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9738           |                |        |        | HR9737 (Lo-16bits)          |
| HR9739           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9740           |                |        |        | HR9739 (Lo-16bits)          |
| HR9741           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9742           |                |        |        | HR9741 (Lo-16bits)          |
| HR9743           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9744           |                |        |        | HR9743 (Lo-16bits)          |
| HR9745           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9746           |                |        |        | HR9745 (Lo-16bits)          |



| Holding Register | Parameter                                                     | Access | Length |                        |
|------------------|---------------------------------------------------------------|--------|--------|------------------------|
| HR9747           | MBTCP:Enable mapped setting value modification through Modbus | RW     | 1      | 0=Disabled;1=Enabled   |
| HR9748           | NOC1:I> [50/51] mode                                          | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9749           | NOC2:I>> [50/51] mode                                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9750           | NOC3:I>>> [50/51] mode                                        | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9751           | NOC4:I>>>> [50/51] mode                                       | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9752           | NEF1:I0> [50N/51N] mode                                       | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9753           | NEF2:I0>> [50N/51N] mode                                      | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9754           | NEF3:I0>>> [50N/51N] mode                                     | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9755           | NEF4:I0>>>> [50N/51N] mode                                    | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9756           | CUB1:I2> [46] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9757           | CUB2:I2>> [46] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9758           | CUB3:I2>>> [46] mode                                          | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9759           | CUB4:I2>>>> [46] mode                                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9760           | OV1:U> [59] mode                                              | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9761           | OV2:U>> [59] mode                                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9762           | OV3:U>>> [59] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9763           | OV4:U>>>> [59] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9764           | UV1:U< [27] mode                                              | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9765           | UV2:U<< [27] mode                                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9766           | UV3:U<<< [27] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9767           | UV4:U<<<< [27] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9768           | VUB1:U1/2 >/< [47/27PN/59PN] mode                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9769           | VUB2:U1/2 >>/<< [47/27PN/59PN] mode                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9770           | VUB3:U1/2 >>>/<<< [47/27PN/59PN] mode                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9771           | VUB4:U1/2 >>>>/<<<< [47/27PN/59PN] mode                       | R(W)   | 1      | 0=Disabled;1=Activated |

| Holding Register | Parameter                 | Access | Length |                             |
|------------------|---------------------------|--------|--------|-----------------------------|
| HR9772           | FRQV1:f</> [81O/81U] mode | R(W)   | 1      | 0=Disabled;1=Activated      |
| HR9773           | MEAS1:IL1 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9774           |                           |        |        | HR9773 (Lo-16bits)          |
| HR9775           | MEAS1:IL1 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9776           |                           |        |        | HR9775 (Lo-16bits)          |
| HR9777           | MEAS1:IL2 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9778           |                           |        |        | HR9777 (Lo-16bits)          |
| HR9779           | MEAS1:IL2 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9780           |                           |        |        | HR9779 (Lo-16bits)          |
| HR9781           | MEAS1:IL3 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9782           |                           |        |        | HR9781 (Lo-16bits)          |
| HR9783           | MEAS1:IL3 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9784           |                           |        |        | HR9783 (Lo-16bits)          |
| HR9785           | MEAS1:I01 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9786           |                           |        |        | HR9785 (Lo-16bits)          |
| HR9787           | MEAS1:I01 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9788           |                           |        |        | HR9787 (Lo-16bits)          |
| HR9789           | MEAS1:I02 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9790           |                           |        |        | HR9789 (Lo-16bits)          |
| HR9791           | MEAS1:I02 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9792           |                           |        |        | HR9791 (Lo-16bits)          |
| HR9793           | MEAS2:I"L1 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9794           |                           |        |        | HR9793 (Lo-16bits)          |
| HR9795           | MEAS2:I"L1 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9796           |                           |        |        | HR9795 (Lo-16bits)          |
| HR9797           | MEAS2:I"L2 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9798           |                           |        |        | HR9797 (Lo-16bits)          |
| HR9799           | MEAS2:I"L2 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9800           |                           |        |        | HR9799 (Lo-16bits)          |

| Holding Register | Parameter                             | Access | Length |                                          |
|------------------|---------------------------------------|--------|--------|------------------------------------------|
| HR9801           | MEAS2:I"L3 Amplitude THD              | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9802           |                                       |        |        | HR9801 (Lo-16bits)                       |
| HR9803           | MEAS2:I"L3 Power THD                  | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9804           |                                       |        |        | HR9803 (Lo-16bits)                       |
| HR9805           | MEAS2:I"01 Amplitude THD              | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9806           |                                       |        |        | HR9805 (Lo-16bits)                       |
| HR9807           | MEAS2:I"01 Power THD                  | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9808           |                                       |        |        | HR9807 (Lo-16bits)                       |
| HR9809           | MEAS2:I"02 Amplitude THD              | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9810           |                                       |        |        | HR9809 (Lo-16bits)                       |
| HR9811           | MEAS2:I"02 Power THD                  | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9812           |                                       |        |        | HR9811 (Lo-16bits)                       |
| HR9813           | MEAS3:UL1 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9814           |                                       |        |        | HR9813 (Lo-16bits)                       |
| HR9815           | MEAS3:UL1 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9816           |                                       |        |        | HR9815 (Lo-16bits)                       |
| HR9817           | MEAS3:UL2 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9818           |                                       |        |        | HR9817 (Lo-16bits)                       |
| HR9819           | MEAS3:UL2 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9820           |                                       |        |        | HR9819 (Lo-16bits)                       |
| HR9821           | MEAS3:UL3 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9822           |                                       |        |        | HR9821 (Lo-16bits)                       |
| HR9823           | MEAS3:UL3 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9824           |                                       |        |        | HR9823 (Lo-16bits)                       |
| HR9825           | RTB:RTS to bus Magnitude <sub>9</sub> | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR9826           |                                       |        |        | HR9825 (Lo-16bits)                       |

| Holding Register | Parameter                            | Access | Length |                                                                        |
|------------------|--------------------------------------|--------|--------|------------------------------------------------------------------------|
| HR9827           | RTB:RTS to bus Magnitude 10          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits)                               |
| HR9828           |                                      |        |        | HR9827 (Lo-16bits)                                                     |
| HR9829           | DIGI:DIs (cpu)                       | R      | 2      | 0b=DI1;1b=DI2;2b=DI3; (Hi-16bits)                                      |
| HR9830           |                                      |        |        | HR9829 (Lo-16bits)                                                     |
| HR9831           | DIGI:DIs (input option 1)            | R      | 2      | 0b=DI4;1b=DI5;2b=DI6;3b=DI7;4b=DI8;5b=DI9;6b=DI10;7b=DI11; (Hi-16bits) |
| HR9832           |                                      |        |        | HR9831 (Lo-16bits)                                                     |
| HR9833           | DIGI:DIs (input option 2)            | R      | 2      | 0b=DI12;1b=DI13;2b=DI14;3b=DI15;4b=DI16;5b=DI17;6b=DI18; (Hi-16bits)   |
| HR9834           |                                      |        |        | HR9833 (Lo-16bits)                                                     |
| HR9835           | DIGI:DIs (input option 3)            | R      | 2      | 0b=DI20;1b=DI21;2b=DI22;3b=DI23;4b=DI24;5b=DI25;6b=DI26; (Hi-16bits)   |
| HR9836           |                                      |        |        | HR9835 (Lo-16bits)                                                     |
| HR9837           | DIGI:DIs (input option 4)            | R      | 2      | 0b=DI28;1b=DI29;2b=DI30;3b=DI31;4b=DI32;5b=DI33;6b=DI34; (Hi-16bits)   |
| HR9838           |                                      |        |        | HR9837 (Lo-16bits)                                                     |
| HR9839           | DIGI:DIs (input option 5)            | R      | 2      | 0b=DI36;1b=DI37;2b=DI38;3b=DI39;4b=DI40;5b=DI41;6b=DI42; (Hi-16bits)   |
| HR9840           |                                      |        |        | HR9839 (Lo-16bits)                                                     |
| HR9841           | DIGI:DIs (input option 6)            | R      | 2      | 0b=DI44;1b=DI45;2b=DI46;3b=DI47;4b=DI48;5b=DI49;6b=DI50; (Hi-16bits)   |
| HR9842           |                                      |        |        | HR9841 (Lo-16bits)                                                     |
| HR9843           | FREQS:SS1.meas.frqs                  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                             |
| HR9844           |                                      |        |        | HR9843 (Lo-16bits)                                                     |
| HR9845           | FREQS:SS2.meas.frqs                  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                             |
| HR9846           |                                      |        |        | HR9845 (Lo-16bits)                                                     |
| HR9847           | SYN1:SYN2 Estimated BRK Closing time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                                        |
| HR9848           |                                      |        |        | HR9847 (Lo-16bits)                                                     |
| HR9849           | SYN1:SYN2 Networks rotating time     | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                                        |
| HR9850           |                                      |        |        | HR9849 (Lo-16bits)                                                     |
| HR9851           | SYN1:SYN2 Networks placement atm     | R      | 2      | FLOAT [-360.000...360.000] (Hi-16bits)                                 |
| HR9852           |                                      |        |        | HR9851 (Lo-16bits)                                                     |
| HR9853           | SYN1:SYN3 Estimated BRK Closing time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                                        |
| HR9854           |                                      |        |        | HR9853 (Lo-16bits)                                                     |

| Holding Register | Parameter                        | Access | Length |                                                    |
|------------------|----------------------------------|--------|--------|----------------------------------------------------|
| HR9855           | SYN1:SYN3 Networks rotating time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                    |
| HR9856           |                                  |        |        | HR9855 (Lo-16bits)                                 |
| HR9857           | SYN1:SYN3 Networks placement atm | R      | 2      | FLOAT [-360.000...360.000] (Hi-16bits)             |
| HR9858           |                                  |        |        | HR9857 (Lo-16bits)                                 |
| HR9859           | COL1:ICOL> (49OL) mode           | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9860           | COL2:ICOL>> (49OL) mode          | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9861           | CNU1:CNU> (50UB) mode            | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9906           | Object6 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9907           | Object7 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9908           | Object8 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9909           | Object9 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9910           | Object10 control register        | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |

## 1.5 G Modbus map

The following table lists Modbus holding registers for AQ-G215 devices with firmware G\_v2.1.1.3-233.



### NOTICE!

Best way to always get the latest Modbus map is to load the aqs configuration file from the unit and in the AQtivate setting tool go to *Tools* → *Communication* → *Modbus map*.

Table. 1.5 - 5. Modbus map

| Holding Register | Parameter                | Access | Length |                                                    |
|------------------|--------------------------|--------|--------|----------------------------------------------------|
| HR1              | Modbus requests          | R/W=0  | 1      | Diagnostic request counter                         |
| HR2              | Modbus quality           | R      | 1      | Diagnostic quality                                 |
| HR3              | Modbus errors            | R/W=0  | 1      | Diagnostic error counter                           |
| HR4              | Modbus Ctrl OK           | R/W=0  | 1      | Diagnostic Control OK counter                      |
| HR5              | Modbus Ctrl Errors       | R/W=0  | 1      | Diagnostic Control Error counter                   |
| HR6              | Object1 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR7              | Object2 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR8              | Object3 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |

| Holding Register | Parameter                | Access | Length |                                                    |
|------------------|--------------------------|--------|--------|----------------------------------------------------|
| HR9              | Object4 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR10             | Object5 control register | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR11             | Previous Event register  | R      | 6      | Event code                                         |
| HR12             | Previous Event register  | R      | 6      | Event timestamp (ms)                               |
| HR13             | Previous Event register  | R      | 6      | Event timestamp (sec Hi-16bits)                    |
| HR14             | Previous Event register  | R      | 6      | Event timestamp (sec Lo-16bits)                    |
| HR15             | Previous Event register  | R      | 6      | Event sequential index                             |
| HR16             | Previous Event register  | R      | 6      | RESERVED                                           |
| HR17             | Event register           | R      | 6      | Event code                                         |
| HR18             | Event register           | R      | 6      | Event timestamp (ms)                               |
| HR19             | Event register           | R      | 6      | Event timestamp (sec Hi-16bits)                    |
| HR20             | Event register           | R      | 6      | Event timestamp (sec Lo-16bits)                    |
| HR21             | Event register           | R      | 6      | Event sequential index                             |
| HR22             | Event register           | R      | 6      | RESERVED                                           |
| HR23             | System time              | RW     | 3      | System time (ms)                                   |
| HR24             | System time              | RW     | 3      | System time (sec Hi-16bits)                        |
| HR25             | System time              | RW     | 3      | System time (sec Lo-16bits)                        |
| HR26             | MEAS1: Pri.Pha.curr.IL1  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR27             |                          |        |        | HR26 (Lo-16bits)                                   |
| HR28             | MEAS1: Pri.Pha.curr.IL2  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR29             |                          |        |        | HR28 (Lo-16bits)                                   |
| HR30             | MEAS1: Pri.Pha.curr.IL3  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |
| HR31             |                          |        |        | HR30 (Lo-16bits)                                   |
| HR32             | MEAS1: Pha.angle IL1     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR33             |                          |        |        | HR32 (Lo-16bits)                                   |
| HR34             | MEAS1: Pha.angle IL2     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR35             |                          |        |        | HR34 (Lo-16bits)                                   |
| HR36             | MEAS1: Pha.angle IL3     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR37             |                          |        |        | HR36 (Lo-16bits)                                   |
| HR38             | MEAS1: Pri.Res.curr.I01  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                     |

| Holding Register | Parameter                   | Access | Length |                                |
|------------------|-----------------------------|--------|--------|--------------------------------|
| HR39             |                             |        |        | HR38 (Lo-16bits)               |
| HR40             | MEAS1:Res.curr.angle I01    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR41             |                             |        |        | HR40 (Lo-16bits)               |
| HR42             | MEAS1:Pri.Res.curr.I02      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR43             |                             |        |        | HR42 (Lo-16bits)               |
| HR44             | MEAS1:Res.curr.angle I02    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR45             |                             |        |        | HR44 (Lo-16bits)               |
| HR46             | MEAS1:Pri.calc.I0           | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR47             |                             |        |        | HR46 (Lo-16bits)               |
| HR48             | MEAS1:calc.I0 Pha.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR49             |                             |        |        | HR48 (Lo-16bits)               |
| HR50             | MEAS1:Pha.curr.IL1 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR51             |                             |        |        | HR50 (Lo-16bits)               |
| HR52             | MEAS1:Pha.curr.IL2 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR53             |                             |        |        | HR52 (Lo-16bits)               |
| HR54             | MEAS1:Pha.curr.IL3 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR55             |                             |        |        | HR54 (Lo-16bits)               |
| HR56             | MEAS1:Pri.Pos.seq.curr.     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR57             |                             |        |        | HR56 (Lo-16bits)               |
| HR58             | MEAS1:Pri.Neg.seq.curr.     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR59             |                             |        |        | HR58 (Lo-16bits)               |
| HR60             | MEAS1:Pri.Zero seq.curr.    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR61             |                             |        |        | HR60 (Lo-16bits)               |
| HR62             | MEAS1:Pos.seq.curr.angle    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR63             |                             |        |        | HR62 (Lo-16bits)               |
| HR64             | MEAS1:Neg.seq.curr.angle    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR65             |                             |        |        | HR64 (Lo-16bits)               |
| HR66             | MEAS1:Zero seq.curr.angle   | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR67             |                             |        |        | HR66 (Lo-16bits)               |

| Holding Register | Parameter                   | Access | Length |                                |
|------------------|-----------------------------|--------|--------|--------------------------------|
| HR68             | MEAS1:Res.curr.I01 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR69             |                             |        |        | HR68 (Lo-16bits)               |
| HR70             | MEAS1:Res.curr.I02 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR71             |                             |        |        | HR70 (Lo-16bits)               |
| HR72             | MEAS1:Pha.L1 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR73             |                             |        |        | HR72 (Lo-16bits)               |
| HR74             | MEAS1:Pha.L1 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR75             |                             |        |        | HR74 (Lo-16bits)               |
| HR76             | MEAS1:Pha.L2 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR77             |                             |        |        | HR76 (Lo-16bits)               |
| HR78             | MEAS1:Pha.L2 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR79             |                             |        |        | HR78 (Lo-16bits)               |
| HR80             | MEAS1:Pha.L3 ampl. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR81             |                             |        |        | HR80 (Lo-16bits)               |
| HR82             | MEAS1:Pha.L3 pow. THD       | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR83             |                             |        |        | HR82 (Lo-16bits)               |
| HR84             | MEAS1:Res.I01 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR85             |                             |        |        | HR84 (Lo-16bits)               |
| HR86             | MEAS1:Res.I01 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR87             |                             |        |        | HR86 (Lo-16bits)               |
| HR88             | MEAS1:Res.I02 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR89             |                             |        |        | HR88 (Lo-16bits)               |
| HR90             | MEAS1:Res.I02 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR91             |                             |        |        | HR90 (Lo-16bits)               |
| HR92             | MEAS1:P-P curr.IL1          | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR93             |                             |        |        | HR92 (Lo-16bits)               |
| HR94             | MEAS1:P-P curr.IL2          | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR95             |                             |        |        | HR94 (Lo-16bits)               |
| HR96             | MEAS1:P-P curr.IL3          | R      | 2      | FLOAT [0...500] (Hi-16bits)    |



| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR97             |                    |        |        | HR96 (Lo-16bits)               |
| HR98             | MEAS1:P-P curr.I01 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR99             |                    |        |        | HR98 (Lo-16bits)               |
| HR100            | MEAS1:P-P curr.I02 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR101            |                    |        |        | HR100 (Lo-16bits)              |
| HR102            | MEAS1:IL1 Fund     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR103            |                    |        |        | HR102 (Lo-16bits)              |
| HR104            | MEAS1:IL1 2.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR105            |                    |        |        | HR104 (Lo-16bits)              |
| HR106            | MEAS1:IL1 3.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR107            |                    |        |        | HR106 (Lo-16bits)              |
| HR108            | MEAS1:IL1 4.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR109            |                    |        |        | HR108 (Lo-16bits)              |
| HR110            | MEAS1:IL1 5.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR111            |                    |        |        | HR110 (Lo-16bits)              |
| HR112            | MEAS1:IL1 6.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR113            |                    |        |        | HR112 (Lo-16bits)              |
| HR114            | MEAS1:IL1 7.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR115            |                    |        |        | HR114 (Lo-16bits)              |
| HR116            | MEAS1:IL1 8.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR117            |                    |        |        | HR116 (Lo-16bits)              |
| HR118            | MEAS1:IL1 9.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR119            |                    |        |        | HR118 (Lo-16bits)              |
| HR120            | MEAS1:IL1 10.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR121            |                    |        |        | HR120 (Lo-16bits)              |
| HR122            | MEAS1:IL1 11.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR123            |                    |        |        | HR122 (Lo-16bits)              |
| HR124            | MEAS1:IL1 12.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR125            |                    |        |        | HR124 (Lo-16bits)              |
| HR126            | MEAS1:IL1 13.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR127            |                   |        |        | HR126 (Lo-16bits)              |
| HR128            | MEAS1:IL1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR129            |                   |        |        | HR128 (Lo-16bits)              |
| HR130            | MEAS1:IL1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR131            |                   |        |        | HR130 (Lo-16bits)              |
| HR132            | MEAS1:IL1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR133            |                   |        |        | HR132 (Lo-16bits)              |
| HR134            | MEAS1:IL1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR135            |                   |        |        | HR134 (Lo-16bits)              |
| HR136            | MEAS1:IL1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR137            |                   |        |        | HR136 (Lo-16bits)              |
| HR138            | MEAS1:IL1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR139            |                   |        |        | HR138 (Lo-16bits)              |
| HR140            | MEAS1:IL1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR141            |                   |        |        | HR140 (Lo-16bits)              |
| HR142            | MEAS1:IL1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR143            |                   |        |        | HR142 (Lo-16bits)              |
| HR144            | MEAS1:IL1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR145            |                   |        |        | HR144 (Lo-16bits)              |
| HR146            | MEAS1:IL1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR147            |                   |        |        | HR146 (Lo-16bits)              |
| HR148            | MEAS1:IL1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR149            |                   |        |        | HR148 (Lo-16bits)              |
| HR150            | MEAS1:IL1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR151            |                   |        |        | HR150 (Lo-16bits)              |
| HR152            | MEAS1:IL1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR153            |                   |        |        | HR152 (Lo-16bits)              |
| HR154            | MEAS1:IL1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR155            |                   |        |        | HR154 (Lo-16bits)              |
| HR156            | MEAS1:IL1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR157            |                   |        |        | HR156 (Lo-16bits)              |
| HR158            | MEAS1:IL1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR159            |                   |        |        | HR158 (Lo-16bits)              |
| HR160            | MEAS1:IL1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR161            |                   |        |        | HR160 (Lo-16bits)              |
| HR162            | MEAS1:IL1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR163            |                   |        |        | HR162 (Lo-16bits)              |
| HR164            | MEAS1:IL2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR165            |                   |        |        | HR164 (Lo-16bits)              |
| HR166            | MEAS1:IL2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR167            |                   |        |        | HR166 (Lo-16bits)              |
| HR168            | MEAS1:IL2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR169            |                   |        |        | HR168 (Lo-16bits)              |
| HR170            | MEAS1:IL2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR171            |                   |        |        | HR170 (Lo-16bits)              |
| HR172            | MEAS1:IL2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR173            |                   |        |        | HR172 (Lo-16bits)              |
| HR174            | MEAS1:IL2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR175            |                   |        |        | HR174 (Lo-16bits)              |
| HR176            | MEAS1:IL2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR177            |                   |        |        | HR176 (Lo-16bits)              |
| HR178            | MEAS1:IL2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR179            |                   |        |        | HR178 (Lo-16bits)              |
| HR180            | MEAS1:IL2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR181            |                   |        |        | HR180 (Lo-16bits)              |
| HR182            | MEAS1:IL2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR183            |                   |        |        | HR182 (Lo-16bits)              |
| HR184            | MEAS1:IL2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR185            |                   |        |        | HR184 (Lo-16bits)              |
| HR186            | MEAS1:IL2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR187            |                   |        |        | HR186 (Lo-16bits)              |
| HR188            | MEAS1:IL2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR189            |                   |        |        | HR188 (Lo-16bits)              |
| HR190            | MEAS1:IL2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR191            |                   |        |        | HR190 (Lo-16bits)              |
| HR192            | MEAS1:IL2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR193            |                   |        |        | HR192 (Lo-16bits)              |
| HR194            | MEAS1:IL2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR195            |                   |        |        | HR194 (Lo-16bits)              |
| HR196            | MEAS1:IL2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR197            |                   |        |        | HR196 (Lo-16bits)              |
| HR198            | MEAS1:IL2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR199            |                   |        |        | HR198 (Lo-16bits)              |
| HR200            | MEAS1:IL2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR201            |                   |        |        | HR200 (Lo-16bits)              |
| HR202            | MEAS1:IL2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR203            |                   |        |        | HR202 (Lo-16bits)              |
| HR204            | MEAS1:IL2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR205            |                   |        |        | HR204 (Lo-16bits)              |
| HR206            | MEAS1:IL2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR207            |                   |        |        | HR206 (Lo-16bits)              |
| HR208            | MEAS1:IL2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR209            |                   |        |        | HR208 (Lo-16bits)              |
| HR210            | MEAS1:IL2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR211            |                   |        |        | HR210 (Lo-16bits)              |
| HR212            | MEAS1:IL2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR213            |                   |        |        | HR212 (Lo-16bits)              |
| HR214            | MEAS1:IL2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR215            |                   |        |        | HR214 (Lo-16bits)              |
| HR216            | MEAS1:IL2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR217            |                   |        |        | HR216 (Lo-16bits)              |
| HR218            | MEAS1:IL2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR219            |                   |        |        | HR218 (Lo-16bits)              |
| HR220            | MEAS1:IL2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR221            |                   |        |        | HR220 (Lo-16bits)              |
| HR222            | MEAS1:IL2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR223            |                   |        |        | HR222 (Lo-16bits)              |
| HR224            | MEAS1:IL2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR225            |                   |        |        | HR224 (Lo-16bits)              |
| HR226            | MEAS1:IL3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR227            |                   |        |        | HR226 (Lo-16bits)              |
| HR228            | MEAS1:IL3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR229            |                   |        |        | HR228 (Lo-16bits)              |
| HR230            | MEAS1:IL3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR231            |                   |        |        | HR230 (Lo-16bits)              |
| HR232            | MEAS1:IL3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR233            |                   |        |        | HR232 (Lo-16bits)              |
| HR234            | MEAS1:IL3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR235            |                   |        |        | HR234 (Lo-16bits)              |
| HR236            | MEAS1:IL3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR237            |                   |        |        | HR236 (Lo-16bits)              |
| HR238            | MEAS1:IL3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR239            |                   |        |        | HR238 (Lo-16bits)              |
| HR240            | MEAS1:IL3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR241            |                   |        |        | HR240 (Lo-16bits)              |
| HR242            | MEAS1:IL3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR243            |                   |        |        | HR242 (Lo-16bits)              |
| HR244            | MEAS1:IL3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR245            |                   |        |        | HR244 (Lo-16bits)              |
| HR246            | MEAS1:IL3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR247            |                   |        |        | HR246 (Lo-16bits)              |
| HR248            | MEAS1:IL3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR249            |                   |        |        | HR248 (Lo-16bits)              |
| HR250            | MEAS1:IL3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR251            |                   |        |        | HR250 (Lo-16bits)              |
| HR252            | MEAS1:IL3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR253            |                   |        |        | HR252 (Lo-16bits)              |
| HR254            | MEAS1:IL3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR255            |                   |        |        | HR254 (Lo-16bits)              |
| HR256            | MEAS1:IL3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR257            |                   |        |        | HR256 (Lo-16bits)              |
| HR258            | MEAS1:IL3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR259            |                   |        |        | HR258 (Lo-16bits)              |
| HR260            | MEAS1:IL3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR261            |                   |        |        | HR260 (Lo-16bits)              |
| HR262            | MEAS1:IL3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR263            |                   |        |        | HR262 (Lo-16bits)              |
| HR264            | MEAS1:IL3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR265            |                   |        |        | HR264 (Lo-16bits)              |
| HR266            | MEAS1:IL3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR267            |                   |        |        | HR266 (Lo-16bits)              |
| HR268            | MEAS1:IL3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR269            |                   |        |        | HR268 (Lo-16bits)              |
| HR270            | MEAS1:IL3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR271            |                   |        |        | HR270 (Lo-16bits)              |
| HR272            | MEAS1:IL3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR273            |                   |        |        | HR272 (Lo-16bits)              |
| HR274            | MEAS1:IL3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR275            |                   |        |        | HR274 (Lo-16bits)              |
| HR276            | MEAS1:IL3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR277            |                   |        |        | HR276 (Lo-16bits)              |
| HR278            | MEAS1:IL3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR279            |                   |        |        | HR278 (Lo-16bits)              |
| HR280            | MEAS1:IL3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR281            |                   |        |        | HR280 (Lo-16bits)              |
| HR282            | MEAS1:IL3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR283            |                   |        |        | HR282 (Lo-16bits)              |
| HR284            | MEAS1:IL3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR285            |                   |        |        | HR284 (Lo-16bits)              |
| HR286            | MEAS1:IL3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR287            |                   |        |        | HR286 (Lo-16bits)              |
| HR288            | MEAS1:I01 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR289            |                   |        |        | HR288 (Lo-16bits)              |
| HR290            | MEAS1:I01 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR291            |                   |        |        | HR290 (Lo-16bits)              |
| HR292            | MEAS1:I01 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR293            |                   |        |        | HR292 (Lo-16bits)              |
| HR294            | MEAS1:I01 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR295            |                   |        |        | HR294 (Lo-16bits)              |
| HR296            | MEAS1:I01 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR297            |                   |        |        | HR296 (Lo-16bits)              |
| HR298            | MEAS1:I01 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR299            |                   |        |        | HR298 (Lo-16bits)              |
| HR300            | MEAS1:I01 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR301            |                   |        |        | HR300 (Lo-16bits)              |
| HR302            | MEAS1:I01 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR303            |                   |        |        | HR302 (Lo-16bits)              |
| HR304            | MEAS1:I01 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR305            |                   |        |        | HR304 (Lo-16bits)              |
| HR306            | MEAS1:I01 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR307            |                   |        |        | HR306 (Lo-16bits)              |
| HR308            | MEAS1:I01 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR309            |                   |        |        | HR308 (Lo-16bits)              |
| HR310            | MEAS1:I01 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR311            |                   |        |        | HR310 (Lo-16bits)              |
| HR312            | MEAS1:I01 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR313            |                   |        |        | HR312 (Lo-16bits)              |
| HR314            | MEAS1:I01 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR315            |                   |        |        | HR314 (Lo-16bits)              |
| HR316            | MEAS1:I01 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR317            |                   |        |        | HR316 (Lo-16bits)              |
| HR318            | MEAS1:I01 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR319            |                   |        |        | HR318 (Lo-16bits)              |
| HR320            | MEAS1:I01 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR321            |                   |        |        | HR320 (Lo-16bits)              |
| HR322            | MEAS1:I01 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR323            |                   |        |        | HR322 (Lo-16bits)              |
| HR324            | MEAS1:I01 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR325            |                   |        |        | HR324 (Lo-16bits)              |
| HR326            | MEAS1:I01 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR327            |                   |        |        | HR326 (Lo-16bits)              |
| HR328            | MEAS1:I01 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR329            |                   |        |        | HR328 (Lo-16bits)              |
| HR330            | MEAS1:I01 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR331            |                   |        |        | HR330 (Lo-16bits)              |
| HR332            | MEAS1:I01 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR333            |                   |        |        | HR332 (Lo-16bits)              |
| HR334            | MEAS1:I01 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR335            |                   |        |        | HR334 (Lo-16bits)              |
| HR336            | MEAS1:I01 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |



| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR337            |                   |        |        | HR336 (Lo-16bits)              |
| HR338            | MEAS1:I01 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR339            |                   |        |        | HR338 (Lo-16bits)              |
| HR340            | MEAS1:I01 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR341            |                   |        |        | HR340 (Lo-16bits)              |
| HR342            | MEAS1:I01 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR343            |                   |        |        | HR342 (Lo-16bits)              |
| HR344            | MEAS1:I01 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR345            |                   |        |        | HR344 (Lo-16bits)              |
| HR346            | MEAS1:I01 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR347            |                   |        |        | HR346 (Lo-16bits)              |
| HR348            | MEAS1:I01 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR349            |                   |        |        | HR348 (Lo-16bits)              |
| HR350            | MEAS1:I02 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR351            |                   |        |        | HR350 (Lo-16bits)              |
| HR352            | MEAS1:I02 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR353            |                   |        |        | HR352 (Lo-16bits)              |
| HR354            | MEAS1:I02 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR355            |                   |        |        | HR354 (Lo-16bits)              |
| HR356            | MEAS1:I02 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR357            |                   |        |        | HR356 (Lo-16bits)              |
| HR358            | MEAS1:I02 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR359            |                   |        |        | HR358 (Lo-16bits)              |
| HR360            | MEAS1:I02 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR361            |                   |        |        | HR360 (Lo-16bits)              |
| HR362            | MEAS1:I02 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR363            |                   |        |        | HR362 (Lo-16bits)              |
| HR364            | MEAS1:I02 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR365            |                   |        |        | HR364 (Lo-16bits)              |
| HR366            | MEAS1:I02 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter         | Access | Length |                                |
|------------------|-------------------|--------|--------|--------------------------------|
| HR367            |                   |        |        | HR366 (Lo-16bits)              |
| HR368            | MEAS1:I02 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR369            |                   |        |        | HR368 (Lo-16bits)              |
| HR370            | MEAS1:I02 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR371            |                   |        |        | HR370 (Lo-16bits)              |
| HR372            | MEAS1:I02 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR373            |                   |        |        | HR372 (Lo-16bits)              |
| HR374            | MEAS1:I02 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR375            |                   |        |        | HR374 (Lo-16bits)              |
| HR376            | MEAS1:I02 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR377            |                   |        |        | HR376 (Lo-16bits)              |
| HR378            | MEAS1:I02 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR379            |                   |        |        | HR378 (Lo-16bits)              |
| HR380            | MEAS1:I02 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR381            |                   |        |        | HR380 (Lo-16bits)              |
| HR382            | MEAS1:I02 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR383            |                   |        |        | HR382 (Lo-16bits)              |
| HR384            | MEAS1:I02 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR385            |                   |        |        | HR384 (Lo-16bits)              |
| HR386            | MEAS1:I02 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR387            |                   |        |        | HR386 (Lo-16bits)              |
| HR388            | MEAS1:I02 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR389            |                   |        |        | HR388 (Lo-16bits)              |
| HR390            | MEAS1:I02 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR391            |                   |        |        | HR390 (Lo-16bits)              |
| HR392            | MEAS1:I02 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR393            |                   |        |        | HR392 (Lo-16bits)              |
| HR394            | MEAS1:I02 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR395            |                   |        |        | HR394 (Lo-16bits)              |
| HR396            | MEAS1:I02 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                 | Access | Length |                                |
|------------------|---------------------------|--------|--------|--------------------------------|
| HR397            |                           |        |        | HR396 (Lo-16bits)              |
| HR398            | MEAS1:I02 25.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR399            |                           |        |        | HR398 (Lo-16bits)              |
| HR400            | MEAS1:I02 26.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR401            |                           |        |        | HR400 (Lo-16bits)              |
| HR402            | MEAS1:I02 27.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR403            |                           |        |        | HR402 (Lo-16bits)              |
| HR404            | MEAS1:I02 28.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR405            |                           |        |        | HR404 (Lo-16bits)              |
| HR406            | MEAS1:I02 29.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR407            |                           |        |        | HR406 (Lo-16bits)              |
| HR408            | MEAS1:I02 30.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR409            |                           |        |        | HR408 (Lo-16bits)              |
| HR410            | MEAS1:I02 31.harm         | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR411            |                           |        |        | HR410 (Lo-16bits)              |
| HR412            | MEAS2:Pri.Pha.curr.I"L1   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR413            |                           |        |        | HR412 (Lo-16bits)              |
| HR414            | MEAS2:Pri.Pha.curr.I"L2   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR415            |                           |        |        | HR414 (Lo-16bits)              |
| HR416            | MEAS2:Pri.Pha.curr.I"L3   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR417            |                           |        |        | HR416 (Lo-16bits)              |
| HR418            | MEAS2:Pha.angle I"L1      | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR419            |                           |        |        | HR418 (Lo-16bits)              |
| HR420            | MEAS2:Pha.angle I"L2      | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR421            |                           |        |        | HR420 (Lo-16bits)              |
| HR422            | MEAS2:Pha.angle I"L3      | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR423            |                           |        |        | HR422 (Lo-16bits)              |
| HR424            | MEAS2:Pri.Res.curr.I"01   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR425            |                           |        |        | HR424 (Lo-16bits)              |
| HR426            | MEAS2:Res.curr.angle I"01 | R      | 2      | FLOAT [-360...360] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                                |
|------------------|-------------------------------|--------|--------|--------------------------------|
| HR427            |                               |        |        | HR426 (Lo-16bits)              |
| HR428            | MEAS2: Pri.Res.curr.l"02      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR429            |                               |        |        | HR428 (Lo-16bits)              |
| HR430            | MEAS2: Res.curr.angle l"02    | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR431            |                               |        |        | HR430 (Lo-16bits)              |
| HR432            | MEAS2: Pri.calc.l"0           | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR433            |                               |        |        | HR432 (Lo-16bits)              |
| HR434            | MEAS2: calc.l"0 Pha.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR435            |                               |        |        | HR434 (Lo-16bits)              |
| HR436            | MEAS2: Pha.curr.l"L1 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR437            |                               |        |        | HR436 (Lo-16bits)              |
| HR438            | MEAS2: Pha.curr.l"L2 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR439            |                               |        |        | HR438 (Lo-16bits)              |
| HR440            | MEAS2: Pha.curr.l"L3 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR441            |                               |        |        | HR440 (Lo-16bits)              |
| HR442            | MEAS2: l" Pri.Pos.seq.curr.   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR443            |                               |        |        | HR442 (Lo-16bits)              |
| HR444            | MEAS2: l" Pri.Neg.seq.curr.   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR445            |                               |        |        | HR444 (Lo-16bits)              |
| HR446            | MEAS2: l" Pri.Zero seq.curr.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR447            |                               |        |        | HR446 (Lo-16bits)              |
| HR448            | MEAS2: l" Pos.seq.curr.angle  | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR449            |                               |        |        | HR448 (Lo-16bits)              |
| HR450            | MEAS2: l" Neg.seq.curr.angle  | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR451            |                               |        |        | HR450 (Lo-16bits)              |
| HR452            | MEAS2: l" Zero seq.curr.angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR453            |                               |        |        | HR452 (Lo-16bits)              |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR454            | MEAS2:Res.curr.I"01 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR455            |                              |        |        | HR454 (Lo-16bits)              |
| HR456            | MEAS2:Res.curr.I"02 TRMS Pri | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR457            |                              |        |        | HR456 (Lo-16bits)              |
| HR458            | MEAS2:Pha.I"L1 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR459            |                              |        |        | HR458 (Lo-16bits)              |
| HR460            | MEAS2:Pha.I"L1 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR461            |                              |        |        | HR460 (Lo-16bits)              |
| HR462            | MEAS2:Pha.I"L2 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR463            |                              |        |        | HR462 (Lo-16bits)              |
| HR464            | MEAS2:Pha.I"L2 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR465            |                              |        |        | HR464 (Lo-16bits)              |
| HR466            | MEAS2:Pha.I"L3 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR467            |                              |        |        | HR466 (Lo-16bits)              |
| HR468            | MEAS2:Pha.I"L3 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR469            |                              |        |        | HR468 (Lo-16bits)              |
| HR470            | MEAS2:Res.I"01 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR471            |                              |        |        | HR470 (Lo-16bits)              |
| HR472            | MEAS2:Res.I"01 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR473            |                              |        |        | HR472 (Lo-16bits)              |
| HR474            | MEAS2:Res.I"02 ampl. THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR475            |                              |        |        | HR474 (Lo-16bits)              |
| HR476            | MEAS2:Res.I"02 pow. THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR477            |                              |        |        | HR476 (Lo-16bits)              |
| HR478            | MEAS2:P-P curr.I"L1          | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR479            |                              |        |        | HR478 (Lo-16bits)              |
| HR480            | MEAS2:P-P curr.I"L2          | R      | 2      | FLOAT [0...500] (Hi-16bits)    |

| Holding Register | Parameter           | Access | Length |                                |
|------------------|---------------------|--------|--------|--------------------------------|
| HR481            |                     |        |        | HR480 (Lo-16bits)              |
| HR482            | MEAS2:P-P curr.I"L3 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR483            |                     |        |        | HR482 (Lo-16bits)              |
| HR484            | MEAS2:P-P curr.I"01 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR485            |                     |        |        | HR484 (Lo-16bits)              |
| HR486            | MEAS2:P-P curr.I"02 | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR487            |                     |        |        | HR486 (Lo-16bits)              |
| HR488            | MEAS2:I"L1 Fund     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR489            |                     |        |        | HR488 (Lo-16bits)              |
| HR490            | MEAS2:I"L1 2.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR491            |                     |        |        | HR490 (Lo-16bits)              |
| HR492            | MEAS2:I"L1 3.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR493            |                     |        |        | HR492 (Lo-16bits)              |
| HR494            | MEAS2:I"L1 4.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR495            |                     |        |        | HR494 (Lo-16bits)              |
| HR496            | MEAS2:I"L1 5.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR497            |                     |        |        | HR496 (Lo-16bits)              |
| HR498            | MEAS2:I"L1 6.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR499            |                     |        |        | HR498 (Lo-16bits)              |
| HR500            | MEAS2:I"L1 7.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR501            |                     |        |        | HR500 (Lo-16bits)              |
| HR502            | MEAS2:I"L1 8.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR503            |                     |        |        | HR502 (Lo-16bits)              |
| HR504            | MEAS2:I"L1 9.harm   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR505            |                     |        |        | HR504 (Lo-16bits)              |
| HR506            | MEAS2:I"L1 10.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR507            |                     |        |        | HR506 (Lo-16bits)              |
| HR508            | MEAS2:I"L1 11.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR509            |                     |        |        | HR508 (Lo-16bits)              |
| HR510            | MEAS2:I"L1 12.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                       | Access | Length |                                |
|------------------|---------------------------------|--------|--------|--------------------------------|
| HR511            |                                 |        |        | HR510 (Lo-16bits)              |
| HR512            | MEAS2:I <sup>L</sup> L1 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR513            |                                 |        |        | HR512 (Lo-16bits)              |
| HR514            | MEAS2:I <sup>L</sup> L1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR515            |                                 |        |        | HR514 (Lo-16bits)              |
| HR516            | MEAS2:I <sup>L</sup> L1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR517            |                                 |        |        | HR516 (Lo-16bits)              |
| HR518            | MEAS2:I <sup>L</sup> L1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR519            |                                 |        |        | HR518 (Lo-16bits)              |
| HR520            | MEAS2:I <sup>L</sup> L1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR521            |                                 |        |        | HR520 (Lo-16bits)              |
| HR522            | MEAS2:I <sup>L</sup> L1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR523            |                                 |        |        | HR522 (Lo-16bits)              |
| HR524            | MEAS2:I <sup>L</sup> L1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR525            |                                 |        |        | HR524 (Lo-16bits)              |
| HR526            | MEAS2:I <sup>L</sup> L1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR527            |                                 |        |        | HR526 (Lo-16bits)              |
| HR528            | MEAS2:I <sup>L</sup> L1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR529            |                                 |        |        | HR528 (Lo-16bits)              |
| HR530            | MEAS2:I <sup>L</sup> L1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR531            |                                 |        |        | HR530 (Lo-16bits)              |
| HR532            | MEAS2:I <sup>L</sup> L1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR533            |                                 |        |        | HR532 (Lo-16bits)              |
| HR534            | MEAS2:I <sup>L</sup> L1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR535            |                                 |        |        | HR534 (Lo-16bits)              |
| HR536            | MEAS2:I <sup>L</sup> L1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR537            |                                 |        |        | HR536 (Lo-16bits)              |
| HR538            | MEAS2:I <sup>L</sup> L1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR539            |                                 |        |        | HR538 (Lo-16bits)              |
| HR540            | MEAS2:I <sup>L</sup> L1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR541            |                    |        |        | HR540 (Lo-16bits)              |
| HR542            | MEAS2:I"L1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR543            |                    |        |        | HR542 (Lo-16bits)              |
| HR544            | MEAS2:I"L1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR545            |                    |        |        | HR544 (Lo-16bits)              |
| HR546            | MEAS2:I"L1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR547            |                    |        |        | HR546 (Lo-16bits)              |
| HR548            | MEAS2:I"L1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR549            |                    |        |        | HR548 (Lo-16bits)              |
| HR550            | MEAS2:I"L2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR551            |                    |        |        | HR550 (Lo-16bits)              |
| HR552            | MEAS2:I"L2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR553            |                    |        |        | HR552 (Lo-16bits)              |
| HR554            | MEAS2:I"L2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR555            |                    |        |        | HR554 (Lo-16bits)              |
| HR556            | MEAS2:I"L2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR557            |                    |        |        | HR556 (Lo-16bits)              |
| HR558            | MEAS2:I"L2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR559            |                    |        |        | HR558 (Lo-16bits)              |
| HR560            | MEAS2:I"L2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR561            |                    |        |        | HR560 (Lo-16bits)              |
| HR562            | MEAS2:I"L2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR563            |                    |        |        | HR562 (Lo-16bits)              |
| HR564            | MEAS2:I"L2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR565            |                    |        |        | HR564 (Lo-16bits)              |
| HR566            | MEAS2:I"L2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR567            |                    |        |        | HR566 (Lo-16bits)              |
| HR568            | MEAS2:I"L2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR569            |                    |        |        | HR568 (Lo-16bits)              |
| HR570            | MEAS2:I"L2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |



| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR571            |                    |        |        | HR570 (Lo-16bits)              |
| HR572            | MEAS2:I"L2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR573            |                    |        |        | HR572 (Lo-16bits)              |
| HR574            | MEAS2:I"L2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR575            |                    |        |        | HR574 (Lo-16bits)              |
| HR576            | MEAS2:I"L2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR577            |                    |        |        | HR576 (Lo-16bits)              |
| HR578            | MEAS2:I"L2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR579            |                    |        |        | HR578 (Lo-16bits)              |
| HR580            | MEAS2:I"L2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR581            |                    |        |        | HR580 (Lo-16bits)              |
| HR582            | MEAS2:I"L2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR583            |                    |        |        | HR582 (Lo-16bits)              |
| HR584            | MEAS2:I"L2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR585            |                    |        |        | HR584 (Lo-16bits)              |
| HR586            | MEAS2:I"L2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR587            |                    |        |        | HR586 (Lo-16bits)              |
| HR588            | MEAS2:I"L2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR589            |                    |        |        | HR588 (Lo-16bits)              |
| HR590            | MEAS2:I"L2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR591            |                    |        |        | HR590 (Lo-16bits)              |
| HR592            | MEAS2:I"L2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR593            |                    |        |        | HR592 (Lo-16bits)              |
| HR594            | MEAS2:I"L2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR595            |                    |        |        | HR594 (Lo-16bits)              |
| HR596            | MEAS2:I"L2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR597            |                    |        |        | HR596 (Lo-16bits)              |
| HR598            | MEAS2:I"L2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR599            |                    |        |        | HR598 (Lo-16bits)              |
| HR600            | MEAS2:I"L2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR601            |                    |        |        | HR600 (Lo-16bits)              |
| HR602            | MEAS2:I"L2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR603            |                    |        |        | HR602 (Lo-16bits)              |
| HR604            | MEAS2:I"L2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR605            |                    |        |        | HR604 (Lo-16bits)              |
| HR606            | MEAS2:I"L2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR607            |                    |        |        | HR606 (Lo-16bits)              |
| HR608            | MEAS2:I"L2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR609            |                    |        |        | HR608 (Lo-16bits)              |
| HR610            | MEAS2:I"L2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR611            |                    |        |        | HR610 (Lo-16bits)              |
| HR612            | MEAS2:I"L3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR613            |                    |        |        | HR612 (Lo-16bits)              |
| HR614            | MEAS2:I"L3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR615            |                    |        |        | HR614 (Lo-16bits)              |
| HR616            | MEAS2:I"L3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR617            |                    |        |        | HR616 (Lo-16bits)              |
| HR618            | MEAS2:I"L3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR619            |                    |        |        | HR618 (Lo-16bits)              |
| HR620            | MEAS2:I"L3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR621            |                    |        |        | HR620 (Lo-16bits)              |
| HR622            | MEAS2:I"L3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR623            |                    |        |        | HR622 (Lo-16bits)              |
| HR624            | MEAS2:I"L3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR625            |                    |        |        | HR624 (Lo-16bits)              |
| HR626            | MEAS2:I"L3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR627            |                    |        |        | HR626 (Lo-16bits)              |
| HR628            | MEAS2:I"L3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR629            |                    |        |        | HR628 (Lo-16bits)              |
| HR630            | MEAS2:I"L3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                       | Access | Length |                                |
|------------------|---------------------------------|--------|--------|--------------------------------|
| HR631            |                                 |        |        | HR630 (Lo-16bits)              |
| HR632            | MEAS2:I <sup>1</sup> L3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR633            |                                 |        |        | HR632 (Lo-16bits)              |
| HR634            | MEAS2:I <sup>1</sup> L3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR635            |                                 |        |        | HR634 (Lo-16bits)              |
| HR636            | MEAS2:I <sup>1</sup> L3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR637            |                                 |        |        | HR636 (Lo-16bits)              |
| HR638            | MEAS2:I <sup>1</sup> L3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR639            |                                 |        |        | HR638 (Lo-16bits)              |
| HR640            | MEAS2:I <sup>1</sup> L3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR641            |                                 |        |        | HR640 (Lo-16bits)              |
| HR642            | MEAS2:I <sup>1</sup> L3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR643            |                                 |        |        | HR642 (Lo-16bits)              |
| HR644            | MEAS2:I <sup>1</sup> L3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR645            |                                 |        |        | HR644 (Lo-16bits)              |
| HR646            | MEAS2:I <sup>1</sup> L3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR647            |                                 |        |        | HR646 (Lo-16bits)              |
| HR648            | MEAS2:I <sup>1</sup> L3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR649            |                                 |        |        | HR648 (Lo-16bits)              |
| HR650            | MEAS2:I <sup>1</sup> L3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR651            |                                 |        |        | HR650 (Lo-16bits)              |
| HR652            | MEAS2:I <sup>1</sup> L3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR653            |                                 |        |        | HR652 (Lo-16bits)              |
| HR654            | MEAS2:I <sup>1</sup> L3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR655            |                                 |        |        | HR654 (Lo-16bits)              |
| HR656            | MEAS2:I <sup>1</sup> L3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR657            |                                 |        |        | HR656 (Lo-16bits)              |
| HR658            | MEAS2:I <sup>1</sup> L3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR659            |                                 |        |        | HR658 (Lo-16bits)              |
| HR660            | MEAS2:I <sup>1</sup> L3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                       | Access | Length |                                |
|------------------|---------------------------------|--------|--------|--------------------------------|
| HR661            |                                 |        |        | HR660 (Lo-16bits)              |
| HR662            | MEAS2:I <sup>L</sup> L3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR663            |                                 |        |        | HR662 (Lo-16bits)              |
| HR664            | MEAS2:I <sup>L</sup> L3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR665            |                                 |        |        | HR664 (Lo-16bits)              |
| HR666            | MEAS2:I <sup>L</sup> L3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR667            |                                 |        |        | HR666 (Lo-16bits)              |
| HR668            | MEAS2:I <sup>L</sup> L3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR669            |                                 |        |        | HR668 (Lo-16bits)              |
| HR670            | MEAS2:I <sup>L</sup> L3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR671            |                                 |        |        | HR670 (Lo-16bits)              |
| HR672            | MEAS2:I <sup>L</sup> L3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR673            |                                 |        |        | HR672 (Lo-16bits)              |
| HR674            | MEAS2:I <sup>L</sup> 01 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR675            |                                 |        |        | HR674 (Lo-16bits)              |
| HR676            | MEAS2:I <sup>L</sup> 01 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR677            |                                 |        |        | HR676 (Lo-16bits)              |
| HR678            | MEAS2:I <sup>L</sup> 01 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR679            |                                 |        |        | HR678 (Lo-16bits)              |
| HR680            | MEAS2:I <sup>L</sup> 01 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR681            |                                 |        |        | HR680 (Lo-16bits)              |
| HR682            | MEAS2:I <sup>L</sup> 01 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR683            |                                 |        |        | HR682 (Lo-16bits)              |
| HR684            | MEAS2:I <sup>L</sup> 01 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR685            |                                 |        |        | HR684 (Lo-16bits)              |
| HR686            | MEAS2:I <sup>L</sup> 01 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR687            |                                 |        |        | HR686 (Lo-16bits)              |
| HR688            | MEAS2:I <sup>L</sup> 01 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR689            |                                 |        |        | HR688 (Lo-16bits)              |
| HR690            | MEAS2:I <sup>L</sup> 01 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR691            |                    |        |        | HR690 (Lo-16bits)              |
| HR692            | MEAS2:I"01 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR693            |                    |        |        | HR692 (Lo-16bits)              |
| HR694            | MEAS2:I"01 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR695            |                    |        |        | HR694 (Lo-16bits)              |
| HR696            | MEAS2:I"01 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR697            |                    |        |        | HR696 (Lo-16bits)              |
| HR698            | MEAS2:I"01 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR699            |                    |        |        | HR698 (Lo-16bits)              |
| HR700            | MEAS2:I"01 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR701            |                    |        |        | HR700 (Lo-16bits)              |
| HR702            | MEAS2:I"01 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR703            |                    |        |        | HR702 (Lo-16bits)              |
| HR704            | MEAS2:I"01 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR705            |                    |        |        | HR704 (Lo-16bits)              |
| HR706            | MEAS2:I"01 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR707            |                    |        |        | HR706 (Lo-16bits)              |
| HR708            | MEAS2:I"01 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR709            |                    |        |        | HR708 (Lo-16bits)              |
| HR710            | MEAS2:I"01 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR711            |                    |        |        | HR710 (Lo-16bits)              |
| HR712            | MEAS2:I"01 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR713            |                    |        |        | HR712 (Lo-16bits)              |
| HR714            | MEAS2:I"01 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR715            |                    |        |        | HR714 (Lo-16bits)              |
| HR716            | MEAS2:I"01 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR717            |                    |        |        | HR716 (Lo-16bits)              |
| HR718            | MEAS2:I"01 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR719            |                    |        |        | HR718 (Lo-16bits)              |
| HR720            | MEAS2:I"01 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR721            |                    |        |        | HR720 (Lo-16bits)              |
| HR722            | MEAS2:I"01 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR723            |                    |        |        | HR722 (Lo-16bits)              |
| HR724            | MEAS2:I"01 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR725            |                    |        |        | HR724 (Lo-16bits)              |
| HR726            | MEAS2:I"01 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR727            |                    |        |        | HR726 (Lo-16bits)              |
| HR728            | MEAS2:I"01 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR729            |                    |        |        | HR728 (Lo-16bits)              |
| HR730            | MEAS2:I"01 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR731            |                    |        |        | HR730 (Lo-16bits)              |
| HR732            | MEAS2:I"01 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR733            |                    |        |        | HR732 (Lo-16bits)              |
| HR734            | MEAS2:I"01 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR735            |                    |        |        | HR734 (Lo-16bits)              |
| HR736            | MEAS2:I"02 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR737            |                    |        |        | HR736 (Lo-16bits)              |
| HR738            | MEAS2:I"02 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR739            |                    |        |        | HR738 (Lo-16bits)              |
| HR740            | MEAS2:I"02 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR741            |                    |        |        | HR740 (Lo-16bits)              |
| HR742            | MEAS2:I"02 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR743            |                    |        |        | HR742 (Lo-16bits)              |
| HR744            | MEAS2:I"02 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR745            |                    |        |        | HR744 (Lo-16bits)              |
| HR746            | MEAS2:I"02 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR747            |                    |        |        | HR746 (Lo-16bits)              |
| HR748            | MEAS2:I"02 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR749            |                    |        |        | HR748 (Lo-16bits)              |
| HR750            | MEAS2:I"02 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                |
|------------------|--------------------|--------|--------|--------------------------------|
| HR751            |                    |        |        | HR750 (Lo-16bits)              |
| HR752            | MEAS2:I"02 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR753            |                    |        |        | HR752 (Lo-16bits)              |
| HR754            | MEAS2:I"02 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR755            |                    |        |        | HR754 (Lo-16bits)              |
| HR756            | MEAS2:I"02 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR757            |                    |        |        | HR756 (Lo-16bits)              |
| HR758            | MEAS2:I"02 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR759            |                    |        |        | HR758 (Lo-16bits)              |
| HR760            | MEAS2:I"02 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR761            |                    |        |        | HR760 (Lo-16bits)              |
| HR762            | MEAS2:I"02 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR763            |                    |        |        | HR762 (Lo-16bits)              |
| HR764            | MEAS2:I"02 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR765            |                    |        |        | HR764 (Lo-16bits)              |
| HR766            | MEAS2:I"02 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR767            |                    |        |        | HR766 (Lo-16bits)              |
| HR768            | MEAS2:I"02 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR769            |                    |        |        | HR768 (Lo-16bits)              |
| HR770            | MEAS2:I"02 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR771            |                    |        |        | HR770 (Lo-16bits)              |
| HR772            | MEAS2:I"02 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR773            |                    |        |        | HR772 (Lo-16bits)              |
| HR774            | MEAS2:I"02 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR775            |                    |        |        | HR774 (Lo-16bits)              |
| HR776            | MEAS2:I"02 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR777            |                    |        |        | HR776 (Lo-16bits)              |
| HR778            | MEAS2:I"02 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR779            |                    |        |        | HR778 (Lo-16bits)              |
| HR780            | MEAS2:I"02 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter          | Access | Length |                                 |
|------------------|--------------------|--------|--------|---------------------------------|
| HR781            |                    |        |        | HR780 (Lo-16bits)               |
| HR782            | MEAS2:I"02 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR783            |                    |        |        | HR782 (Lo-16bits)               |
| HR784            | MEAS2:I"02 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR785            |                    |        |        | HR784 (Lo-16bits)               |
| HR786            | MEAS2:I"02 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR787            |                    |        |        | HR786 (Lo-16bits)               |
| HR788            | MEAS2:I"02 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR789            |                    |        |        | HR788 (Lo-16bits)               |
| HR790            | MEAS2:I"02 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR791            |                    |        |        | HR790 (Lo-16bits)               |
| HR792            | MEAS2:I"02 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR793            |                    |        |        | HR792 (Lo-16bits)               |
| HR794            | MEAS2:I"02 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR795            |                    |        |        | HR794 (Lo-16bits)               |
| HR796            | MEAS2:I"02 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR797            |                    |        |        | HR796 (Lo-16bits)               |
| HR798            | MEAS3:U1Volt pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR799            |                    |        |        | HR798 (Lo-16bits)               |
| HR800            | MEAS3:U1Volt sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR801            |                    |        |        | HR800 (Lo-16bits)               |
| HR802            | MEAS3:U2Volt pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR803            |                    |        |        | HR802 (Lo-16bits)               |
| HR804            | MEAS3:U2Volt sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR805            |                    |        |        | HR804 (Lo-16bits)               |
| HR806            | MEAS3:U3Volt pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR807            |                    |        |        | HR806 (Lo-16bits)               |
| HR808            | MEAS3:U3Volt sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR809            |                    |        |        | HR808 (Lo-16bits)               |
| HR810            | MEAS3:U4Volt pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |



| Holding Register | Parameter               | Access | Length |                                 |
|------------------|-------------------------|--------|--------|---------------------------------|
| HR811            |                         |        |        | HR810 (Lo-16bits)               |
| HR812            | MEAS3:U4Volt sec        | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR813            |                         |        |        | HR812 (Lo-16bits)               |
| HR814            | MEAS3:U1Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR815            |                         |        |        | HR814 (Lo-16bits)               |
| HR816            | MEAS3:U1Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR817            |                         |        |        | HR816 (Lo-16bits)               |
| HR818            | MEAS3:U2Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR819            |                         |        |        | HR818 (Lo-16bits)               |
| HR820            | MEAS3:U2Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR821            |                         |        |        | HR820 (Lo-16bits)               |
| HR822            | MEAS3:U3Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR823            |                         |        |        | HR822 (Lo-16bits)               |
| HR824            | MEAS3:U3Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR825            |                         |        |        | HR824 (Lo-16bits)               |
| HR826            | MEAS3:U4Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR827            |                         |        |        | HR826 (Lo-16bits)               |
| HR828            | MEAS3:U4Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR829            |                         |        |        | HR828 (Lo-16bits)               |
| HR830            | MEAS3:Pos.seq.Volt.pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR831            |                         |        |        | HR830 (Lo-16bits)               |
| HR832            | MEAS3:Pos.seq.Volt.sec  | R      | 2      | FLOAT [0...480] (Hi-16bits)     |
| HR833            |                         |        |        | HR832 (Lo-16bits)               |
| HR834            | MEAS3:Neg.seq.Volt.pri  | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR835            |                         |        |        | HR834 (Lo-16bits)               |
| HR836            | MEAS3:Neg.seq.Volt.sec  | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR837            |                         |        |        | HR836 (Lo-16bits)               |
| HR838            | MEAS3:Zero.seq.Volt.pri | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR839            |                         |        |        | HR838 (Lo-16bits)               |
| HR840            | MEAS3:Zero.seq.Volt.sec | R      | 2      | FLOAT [0...500] (Hi-16bits)     |

| Holding Register | Parameter                      | Access | Length |                                 |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR841            |                                |        |        | HR840 (Lo-16bits)               |
| HR842            | MEAS3:U0 Calc. pri             | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR843            |                                |        |        | HR842 (Lo-16bits)               |
| HR844            | MEAS3:U0 Calc.Volt sec         | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR845            |                                |        |        | HR844 (Lo-16bits)               |
| HR846            | MEAS3:U1 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR847            |                                |        |        | HR846 (Lo-16bits)               |
| HR848            | MEAS3:U2 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR849            |                                |        |        | HR848 (Lo-16bits)               |
| HR850            | MEAS3:U3 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR851            |                                |        |        | HR850 (Lo-16bits)               |
| HR852            | MEAS3:U4 Angle                 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR853            |                                |        |        | HR852 (Lo-16bits)               |
| HR854            | MEAS3:Pos.Seq.volt.Angle       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR855            |                                |        |        | HR854 (Lo-16bits)               |
| HR856            | MEAS3:Neg.Seq.volt.Angle       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR857            |                                |        |        | HR856 (Lo-16bits)               |
| HR858            | MEAS3:Zero.Seq.volt.Angle      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR859            |                                |        |        | HR858 (Lo-16bits)               |
| HR860            | MEAS3:System volt UL12 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR861            |                                |        |        | HR860 (Lo-16bits)               |
| HR862            | MEAS3:System volt UL12 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR863            |                                |        |        | HR862 (Lo-16bits)               |
| HR864            | MEAS3:System volt UL12 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR865            |                                |        |        | HR864 (Lo-16bits)               |
| HR866            | MEAS3:System volt UL23 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR867            |                                |        |        | HR866 (Lo-16bits)               |
| HR868            | MEAS3:System volt UL23 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |

| Holding Register | Parameter                      | Access | Length |                                 |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR869            |                                |        |        | HR868 (Lo-16bits)               |
| HR870            | MEAS3:System volt UL23 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR871            |                                |        |        | HR870 (Lo-16bits)               |
| HR872            | MEAS3:System volt UL31 mag     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR873            |                                |        |        | HR872 (Lo-16bits)               |
| HR874            | MEAS3:System volt UL31 mag(kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR875            |                                |        |        | HR874 (Lo-16bits)               |
| HR876            | MEAS3:System volt UL31 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR877            |                                |        |        | HR876 (Lo-16bits)               |
| HR878            | MEAS3:System volt UL1 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR879            |                                |        |        | HR878 (Lo-16bits)               |
| HR880            | MEAS3:System volt UL1 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR881            |                                |        |        | HR880 (Lo-16bits)               |
| HR882            | MEAS3:System volt UL1 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR883            |                                |        |        | HR882 (Lo-16bits)               |
| HR884            | MEAS3:System volt UL2 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR885            |                                |        |        | HR884 (Lo-16bits)               |
| HR886            | MEAS3:System volt UL2 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR887            |                                |        |        | HR886 (Lo-16bits)               |
| HR888            | MEAS3:System volt UL2 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR889            |                                |        |        | HR888 (Lo-16bits)               |
| HR890            | MEAS3:System volt UL3 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR891            |                                |        |        | HR890 (Lo-16bits)               |
| HR892            | MEAS3:System volt UL3 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |

| Holding Register | Parameter                     | Access | Length |                                 |
|------------------|-------------------------------|--------|--------|---------------------------------|
| HR893            |                               |        |        | HR892 (Lo-16bits)               |
| HR894            | MEAS3:System volt UL3 ang     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR895            |                               |        |        | HR894 (Lo-16bits)               |
| HR896            | MEAS3:System volt U0 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR897            |                               |        |        | HR896 (Lo-16bits)               |
| HR898            | MEAS3:System volt U0 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR899            |                               |        |        | HR898 (Lo-16bits)               |
| HR900            | MEAS3:System volt U0 mag(%)   | R      | 2      | FLOAT [0...120] (Hi-16bits)     |
| HR901            |                               |        |        | HR900 (Lo-16bits)               |
| HR902            | MEAS3:System volt U0 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR903            |                               |        |        | HR902 (Lo-16bits)               |
| HR904            | MEAS3:System volt U3 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR905            |                               |        |        | HR904 (Lo-16bits)               |
| HR906            | MEAS3:System volt U3 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR907            |                               |        |        | HR906 (Lo-16bits)               |
| HR908            | MEAS3:System volt U3 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR909            |                               |        |        | HR908 (Lo-16bits)               |
| HR910            | MEAS3:System volt U4 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR911            |                               |        |        | HR910 (Lo-16bits)               |
| HR912            | MEAS3:System volt U4 mag(kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR913            |                               |        |        | HR912 (Lo-16bits)               |
| HR914            | MEAS3:System volt U4 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR915            |                               |        |        | HR914 (Lo-16bits)               |
| HR916            | MEAS3:System volt UL1 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR917            |                               |        |        | HR916 (Lo-16bits)               |

| Holding Register | Parameter                     | Access | Length |                                |
|------------------|-------------------------------|--------|--------|--------------------------------|
| HR918            | MEAS3:System volt UL2 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR919            |                               |        |        | HR918 (Lo-16bits)              |
| HR920            | MEAS3:System volt UL3 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR921            |                               |        |        | HR920 (Lo-16bits)              |
| HR922            | MEAS3:U1 Fund                 | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR923            |                               |        |        | HR922 (Lo-16bits)              |
| HR924            | MEAS3:U1 2.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR925            |                               |        |        | HR924 (Lo-16bits)              |
| HR926            | MEAS3:U1 3.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR927            |                               |        |        | HR926 (Lo-16bits)              |
| HR928            | MEAS3:U1 4.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR929            |                               |        |        | HR928 (Lo-16bits)              |
| HR930            | MEAS3:U1 5.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR931            |                               |        |        | HR930 (Lo-16bits)              |
| HR932            | MEAS3:U1 6.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR933            |                               |        |        | HR932 (Lo-16bits)              |
| HR934            | MEAS3:U1 7.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR935            |                               |        |        | HR934 (Lo-16bits)              |
| HR936            | MEAS3:U1 8.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR937            |                               |        |        | HR936 (Lo-16bits)              |
| HR938            | MEAS3:U1 9.harm               | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR939            |                               |        |        | HR938 (Lo-16bits)              |
| HR940            | MEAS3:U1 10.harm              | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR941            |                               |        |        | HR940 (Lo-16bits)              |
| HR942            | MEAS3:U1 11.harm              | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR943            |                               |        |        | HR942 (Lo-16bits)              |
| HR944            | MEAS3:U1 12.harm              | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR945            |                               |        |        | HR944 (Lo-16bits)              |
| HR946            | MEAS3:U1 13.harm              | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR947            |                  |        |        | HR946 (Lo-16bits)              |
| HR948            | MEAS3:U1 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR949            |                  |        |        | HR948 (Lo-16bits)              |
| HR950            | MEAS3:U1 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR951            |                  |        |        | HR950 (Lo-16bits)              |
| HR952            | MEAS3:U1 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR953            |                  |        |        | HR952 (Lo-16bits)              |
| HR954            | MEAS3:U1 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR955            |                  |        |        | HR954 (Lo-16bits)              |
| HR956            | MEAS3:U1 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR957            |                  |        |        | HR956 (Lo-16bits)              |
| HR958            | MEAS3:U1 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR959            |                  |        |        | HR958 (Lo-16bits)              |
| HR960            | MEAS3:U1 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR961            |                  |        |        | HR960 (Lo-16bits)              |
| HR962            | MEAS3:U1 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR963            |                  |        |        | HR962 (Lo-16bits)              |
| HR964            | MEAS3:U1 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR965            |                  |        |        | HR964 (Lo-16bits)              |
| HR966            | MEAS3:U1 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR967            |                  |        |        | HR966 (Lo-16bits)              |
| HR968            | MEAS3:U1 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR969            |                  |        |        | HR968 (Lo-16bits)              |
| HR970            | MEAS3:U1 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR971            |                  |        |        | HR970 (Lo-16bits)              |
| HR972            | MEAS3:U1 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR973            |                  |        |        | HR972 (Lo-16bits)              |
| HR974            | MEAS3:U1 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR975            |                  |        |        | HR974 (Lo-16bits)              |
| HR976            | MEAS3:U1 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR977            |                  |        |        | HR976 (Lo-16bits)              |
| HR978            | MEAS3:U1 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR979            |                  |        |        | HR978 (Lo-16bits)              |
| HR980            | MEAS3:U1 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR981            |                  |        |        | HR980 (Lo-16bits)              |
| HR982            | MEAS3:U1 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR983            |                  |        |        | HR982 (Lo-16bits)              |
| HR984            | MEAS3:U2 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR985            |                  |        |        | HR984 (Lo-16bits)              |
| HR986            | MEAS3:U2 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR987            |                  |        |        | HR986 (Lo-16bits)              |
| HR988            | MEAS3:U2 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR989            |                  |        |        | HR988 (Lo-16bits)              |
| HR990            | MEAS3:U2 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR991            |                  |        |        | HR990 (Lo-16bits)              |
| HR992            | MEAS3:U2 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR993            |                  |        |        | HR992 (Lo-16bits)              |
| HR994            | MEAS3:U2 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR995            |                  |        |        | HR994 (Lo-16bits)              |
| HR996            | MEAS3:U2 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR997            |                  |        |        | HR996 (Lo-16bits)              |
| HR998            | MEAS3:U2 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR999            |                  |        |        | HR998 (Lo-16bits)              |
| HR1000           | MEAS3:U2 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1001           |                  |        |        | HR1000 (Lo-16bits)             |
| HR1002           | MEAS3:U2 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1003           |                  |        |        | HR1002 (Lo-16bits)             |
| HR1004           | MEAS3:U2 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1005           |                  |        |        | HR1004 (Lo-16bits)             |
| HR1006           | MEAS3:U2 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1007           |                  |        |        | HR1006 (Lo-16bits)             |
| HR1008           | MEAS3:U2 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1009           |                  |        |        | HR1008 (Lo-16bits)             |
| HR1010           | MEAS3:U2 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1011           |                  |        |        | HR1010 (Lo-16bits)             |
| HR1012           | MEAS3:U2 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1013           |                  |        |        | HR1012 (Lo-16bits)             |
| HR1014           | MEAS3:U2 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1015           |                  |        |        | HR1014 (Lo-16bits)             |
| HR1016           | MEAS3:U2 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1017           |                  |        |        | HR1016 (Lo-16bits)             |
| HR1018           | MEAS3:U2 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1019           |                  |        |        | HR1018 (Lo-16bits)             |
| HR1020           | MEAS3:U2 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1021           |                  |        |        | HR1020 (Lo-16bits)             |
| HR1022           | MEAS3:U2 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1023           |                  |        |        | HR1022 (Lo-16bits)             |
| HR1024           | MEAS3:U2 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1025           |                  |        |        | HR1024 (Lo-16bits)             |
| HR1026           | MEAS3:U2 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1027           |                  |        |        | HR1026 (Lo-16bits)             |
| HR1028           | MEAS3:U2 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1029           |                  |        |        | HR1028 (Lo-16bits)             |
| HR1030           | MEAS3:U2 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1031           |                  |        |        | HR1030 (Lo-16bits)             |
| HR1032           | MEAS3:U2 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1033           |                  |        |        | HR1032 (Lo-16bits)             |
| HR1034           | MEAS3:U2 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1035           |                  |        |        | HR1034 (Lo-16bits)             |
| HR1036           | MEAS3:U2 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |



| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1037           |                  |        |        | HR1036 (Lo-16bits)             |
| HR1038           | MEAS3:U2 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1039           |                  |        |        | HR1038 (Lo-16bits)             |
| HR1040           | MEAS3:U2 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1041           |                  |        |        | HR1040 (Lo-16bits)             |
| HR1042           | MEAS3:U2 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1043           |                  |        |        | HR1042 (Lo-16bits)             |
| HR1044           | MEAS3:U2 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1045           |                  |        |        | HR1044 (Lo-16bits)             |
| HR1046           | MEAS3:U3 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1047           |                  |        |        | HR1046 (Lo-16bits)             |
| HR1048           | MEAS3:U3 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1049           |                  |        |        | HR1048 (Lo-16bits)             |
| HR1050           | MEAS3:U3 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1051           |                  |        |        | HR1050 (Lo-16bits)             |
| HR1052           | MEAS3:U3 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1053           |                  |        |        | HR1052 (Lo-16bits)             |
| HR1054           | MEAS3:U3 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1055           |                  |        |        | HR1054 (Lo-16bits)             |
| HR1056           | MEAS3:U3 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1057           |                  |        |        | HR1056 (Lo-16bits)             |
| HR1058           | MEAS3:U3 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1059           |                  |        |        | HR1058 (Lo-16bits)             |
| HR1060           | MEAS3:U3 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1061           |                  |        |        | HR1060 (Lo-16bits)             |
| HR1062           | MEAS3:U3 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1063           |                  |        |        | HR1062 (Lo-16bits)             |
| HR1064           | MEAS3:U3 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1065           |                  |        |        | HR1064 (Lo-16bits)             |
| HR1066           | MEAS3:U3 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1067           |                  |        |        | HR1066 (Lo-16bits)             |
| HR1068           | MEAS3:U3 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1069           |                  |        |        | HR1068 (Lo-16bits)             |
| HR1070           | MEAS3:U3 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1071           |                  |        |        | HR1070 (Lo-16bits)             |
| HR1072           | MEAS3:U3 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1073           |                  |        |        | HR1072 (Lo-16bits)             |
| HR1074           | MEAS3:U3 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1075           |                  |        |        | HR1074 (Lo-16bits)             |
| HR1076           | MEAS3:U3 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1077           |                  |        |        | HR1076 (Lo-16bits)             |
| HR1078           | MEAS3:U3 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1079           |                  |        |        | HR1078 (Lo-16bits)             |
| HR1080           | MEAS3:U3 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1081           |                  |        |        | HR1080 (Lo-16bits)             |
| HR1082           | MEAS3:U3 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1083           |                  |        |        | HR1082 (Lo-16bits)             |
| HR1084           | MEAS3:U3 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1085           |                  |        |        | HR1084 (Lo-16bits)             |
| HR1086           | MEAS3:U3 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1087           |                  |        |        | HR1086 (Lo-16bits)             |
| HR1088           | MEAS3:U3 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1089           |                  |        |        | HR1088 (Lo-16bits)             |
| HR1090           | MEAS3:U3 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1091           |                  |        |        | HR1090 (Lo-16bits)             |
| HR1092           | MEAS3:U3 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1093           |                  |        |        | HR1092 (Lo-16bits)             |
| HR1094           | MEAS3:U3 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1095           |                  |        |        | HR1094 (Lo-16bits)             |
| HR1096           | MEAS3:U3 26.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1097           |                  |        |        | HR1096 (Lo-16bits)             |
| HR1098           | MEAS3:U3 27.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1099           |                  |        |        | HR1098 (Lo-16bits)             |
| HR1100           | MEAS3:U3 28.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1101           |                  |        |        | HR1100 (Lo-16bits)             |
| HR1102           | MEAS3:U3 29.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1103           |                  |        |        | HR1102 (Lo-16bits)             |
| HR1104           | MEAS3:U3 30.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1105           |                  |        |        | HR1104 (Lo-16bits)             |
| HR1106           | MEAS3:U3 31.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1107           |                  |        |        | HR1106 (Lo-16bits)             |
| HR1108           | MEAS3:U4 Fund    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1109           |                  |        |        | HR1108 (Lo-16bits)             |
| HR1110           | MEAS3:U4 2.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1111           |                  |        |        | HR1110 (Lo-16bits)             |
| HR1112           | MEAS3:U4 3.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1113           |                  |        |        | HR1112 (Lo-16bits)             |
| HR1114           | MEAS3:U4 4.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1115           |                  |        |        | HR1114 (Lo-16bits)             |
| HR1116           | MEAS3:U4 5.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1117           |                  |        |        | HR1116 (Lo-16bits)             |
| HR1118           | MEAS3:U4 6.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1119           |                  |        |        | HR1118 (Lo-16bits)             |
| HR1120           | MEAS3:U4 7.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1121           |                  |        |        | HR1120 (Lo-16bits)             |
| HR1122           | MEAS3:U4 8.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1123           |                  |        |        | HR1122 (Lo-16bits)             |
| HR1124           | MEAS3:U4 9.harm  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1125           |                  |        |        | HR1124 (Lo-16bits)             |
| HR1126           | MEAS3:U4 10.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter        | Access | Length |                                |
|------------------|------------------|--------|--------|--------------------------------|
| HR1127           |                  |        |        | HR1126 (Lo-16bits)             |
| HR1128           | MEAS3:U4 11.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1129           |                  |        |        | HR1128 (Lo-16bits)             |
| HR1130           | MEAS3:U4 12.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1131           |                  |        |        | HR1130 (Lo-16bits)             |
| HR1132           | MEAS3:U4 13.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1133           |                  |        |        | HR1132 (Lo-16bits)             |
| HR1134           | MEAS3:U4 14.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1135           |                  |        |        | HR1134 (Lo-16bits)             |
| HR1136           | MEAS3:U4 15.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1137           |                  |        |        | HR1136 (Lo-16bits)             |
| HR1138           | MEAS3:U4 16.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1139           |                  |        |        | HR1138 (Lo-16bits)             |
| HR1140           | MEAS3:U4 17.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1141           |                  |        |        | HR1140 (Lo-16bits)             |
| HR1142           | MEAS3:U4 18.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1143           |                  |        |        | HR1142 (Lo-16bits)             |
| HR1144           | MEAS3:U4 19.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1145           |                  |        |        | HR1144 (Lo-16bits)             |
| HR1146           | MEAS3:U4 20.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1147           |                  |        |        | HR1146 (Lo-16bits)             |
| HR1148           | MEAS3:U4 21.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1149           |                  |        |        | HR1148 (Lo-16bits)             |
| HR1150           | MEAS3:U4 22.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1151           |                  |        |        | HR1150 (Lo-16bits)             |
| HR1152           | MEAS3:U4 23.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1153           |                  |        |        | HR1152 (Lo-16bits)             |
| HR1154           | MEAS3:U4 24.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1155           |                  |        |        | HR1154 (Lo-16bits)             |
| HR1156           | MEAS3:U4 25.harm | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                                        | Access | Length |                                              |
|------------------|--------------------------------------------------|--------|--------|----------------------------------------------|
| HR1157           |                                                  |        |        | HR1156 (Lo-16bits)                           |
| HR1158           | MEAS3:U4 26.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1159           |                                                  |        |        | HR1158 (Lo-16bits)                           |
| HR1160           | MEAS3:U4 27.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1161           |                                                  |        |        | HR1160 (Lo-16bits)                           |
| HR1162           | MEAS3:U4 28.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1163           |                                                  |        |        | HR1162 (Lo-16bits)                           |
| HR1164           | MEAS3:U4 29.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1165           |                                                  |        |        | HR1164 (Lo-16bits)                           |
| HR1166           | MEAS3:U4 30.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1167           |                                                  |        |        | HR1166 (Lo-16bits)                           |
| HR1168           | MEAS3:U4 31.harm                                 | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1169           |                                                  |        |        | HR1168 (Lo-16bits)                           |
| HR1170           | POW1:Export Active Energy (P) MWh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1171           |                                                  |        |        | HR1170 (Lo-16bits)                           |
| HR1172           | POW1:Export Active Energy (P) kWh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1173           |                                                  |        |        | HR1172 (Lo-16bits)                           |
| HR1174           | POW1:Import Active Energy (P) MWh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1175           |                                                  |        |        | HR1174 (Lo-16bits)                           |
| HR1176           | POW1:Import Active Energy (P) kWh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1177           |                                                  |        |        | HR1176 (Lo-16bits)                           |
| HR1178           | POW1:Active Energy (P) Export/Import balance MWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1179           |                                                  |        |        | HR1178 (Lo-16bits)                           |
| HR1180           | POW1:Active Energy (P) Export/Import balance kWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1181           |                                                  |        |        | HR1180 (Lo-16bits)                           |
| HR1182           | POW1:Imported (Q) while Export (P) MVarh         | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |

| Holding Register | Parameter                                               | Access | Length |                                              |
|------------------|---------------------------------------------------------|--------|--------|----------------------------------------------|
| HR1183           |                                                         |        |        | HR1182 (Lo-16bits)                           |
| HR1184           | POW1:Imported (Q) while Export (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1185           |                                                         |        |        | HR1184 (Lo-16bits)                           |
| HR1186           | POW1:Imported (Q) while Import (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1187           |                                                         |        |        | HR1186 (Lo-16bits)                           |
| HR1188           | POW1:Imported (Q) while Import (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1189           |                                                         |        |        | HR1188 (Lo-16bits)                           |
| HR1190           | POW1:Reactive Energy (Q) balance while Import (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1191           |                                                         |        |        | HR1190 (Lo-16bits)                           |
| HR1192           | POW1:Reactive Energy (Q) balance while Import (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1193           |                                                         |        |        | HR1192 (Lo-16bits)                           |
| HR1194           | POW1:Exported (Q) while Export (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1195           |                                                         |        |        | HR1194 (Lo-16bits)                           |
| HR1196           | POW1:Exported (Q) while Export (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1197           |                                                         |        |        | HR1196 (Lo-16bits)                           |
| HR1198           | POW1:Exported (Q) while Import (P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1199           |                                                         |        |        | HR1198 (Lo-16bits)                           |
| HR1200           | POW1:Exported (Q) while Import (P) kVarh                | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1201           |                                                         |        |        | HR1200 (Lo-16bits)                           |
| HR1202           | POW1:Reactive Energy (Q) balance while Export (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1203           |                                                         |        |        | HR1202 (Lo-16bits)                           |
| HR1204           | POW1:Reactive Energy (Q) balance while Export (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1205           |                                                         |        |        | HR1204 (Lo-16bits)                           |

| Holding Register | Parameter                            | Access | Length |                                        |
|------------------|--------------------------------------|--------|--------|----------------------------------------|
| HR1206           | POW1:Reset 3ph Energies              | RW     | 1      | 0=-;1=Reset                            |
| HR1207           | POW1:POW1 3PH Apparent power (S)     | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1208           |                                      |        |        | HR1207 (Lo-16bits)                     |
| HR1209           | POW1:POW1 3PH Apparent power (S MVA) | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1210           |                                      |        |        | HR1209 (Lo-16bits)                     |
| HR1211           | POW1:POW1 3PH Active power (P)       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1212           |                                      |        |        | HR1211 (Lo-16bits)                     |
| HR1213           | POW1:POW1 3PH Active power (P MW)    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1214           |                                      |        |        | HR1213 (Lo-16bits)                     |
| HR1215           | POW1:POW1 3PH Reactive power (Q)     | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1216           |                                      |        |        | HR1215 (Lo-16bits)                     |
| HR1217           | POW1:POW1 3PH Reactive power (QMVar) | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1218           |                                      |        |        | HR1217 (Lo-16bits)                     |
| HR1219           | POW1:POW1 3PH Tan(phi)               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1220           |                                      |        |        | HR1219 (Lo-16bits)                     |
| HR1221           | POW1:POW1 3PH Cos(phi)               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1222           |                                      |        |        | HR1221 (Lo-16bits)                     |
| HR1223           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1224           |                                      |        |        | HR1223 (Lo-16bits)                     |
| HR1225           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1226           |                                      |        |        | HR1225 (Lo-16bits)                     |
| HR1227           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1228           |                                      |        |        | HR1227 (Lo-16bits)                     |
| HR1229           | FLTREG:Recorded fault value          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1230           |                                      |        |        | HR1229 (Lo-16bits)                     |

| Holding Register | Parameter                                                         | Access | Length |                                                                      |
|------------------|-------------------------------------------------------------------|--------|--------|----------------------------------------------------------------------|
| HR1231           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1232           |                                                                   |        |        | HR1231 (Lo-16bits)                                                   |
| HR1233           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1234           |                                                                   |        |        | HR1233 (Lo-16bits)                                                   |
| HR1235           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1236           |                                                                   |        |        | HR1235 (Lo-16bits)                                                   |
| HR1237           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1238           |                                                                   |        |        | HR1237 (Lo-16bits)                                                   |
| HR1239           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1240           |                                                                   |        |        | HR1239 (Lo-16bits)                                                   |
| HR1241           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1242           |                                                                   |        |        | HR1241 (Lo-16bits)                                                   |
| HR1243           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1244           |                                                                   |        |        | HR1243 (Lo-16bits)                                                   |
| HR1245           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                               |
| HR1246           |                                                                   |        |        | HR1245 (Lo-16bits)                                                   |
| HR1247           | FREQS:f atm. Protections (when not measurable returns to nominal) | R      | 2      | FLOAT [0...75] (Hi-16bits)                                           |
| HR1248           |                                                                   |        |        | HR1247 (Lo-16bits)                                                   |
| HR1249           | DIGI:Dis 1-32                                                     | R      | 2      | 0b=DI1;1b=DI2;2b=DI3;3b=DI4;4b=DI5;5b=DI6;6b=DI7;7b=DI8; (Hi-16bits) |
| HR1250           |                                                                   |        |        | HR1249 (Lo-16bits)                                                   |
| HR1251           | DIGI:Dis 33-64                                                    | R      | 2      | 0b=DI33;1b=DI34;2b=DI35;3b=DI36;4b=DI37;5b=DI38;6b=DI39 (Hi-16bits)  |
| HR1252           |                                                                   |        |        | HR1251 (Lo-16bits)                                                   |
| HR1253           | RELE:Outputs status                                               | R      | 2      | 0b=O1;1b=O2;2b=O3;3b=O4;4b=O5;5b=O6;6b=O7;7b=O8;8b=O9 (Hi-16bits)    |
| HR1254           |                                                                   |        |        | HR1253 (Lo-16bits)                                                   |
| HR1255           | SGS:Active setting group                                          | R      | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8                      |



| Holding Register | Parameter                | Access | Length |                                                             |
|------------------|--------------------------|--------|--------|-------------------------------------------------------------|
| HR1256           | SGS:Force SG             | RW     | 1      | 0=none;1=SG1;2=SG2;3=SG3;4=SG4;5=SG5;6=SG6;7=SG7;8=         |
| HR1257           | SGS:Force SG change      | RW     | 1      | 0=Disabled;1=Enabled                                        |
| HR1258           | SGS:Used setting groups  | RW     | 1      | 0=SG1;1=SG1...2;2=SG1...3;3=SG1...4;4=SG1...5;5=SG1...6;6=  |
| HR1259           | SGS:Remote SG change     | RW     | 1      | 0=none;1=SG1;2=SG2;3=SG3;4=SG4;5=SG5;6=SG6;7=SG7;8=         |
| HR1260           | LOGIC:Reset Latches      | RW     | 1      | 0=-;1=Reset                                                 |
| HR1261           | NOC1:I> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1262           | NOC2:I>> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1263           | NOC3:I>>> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1264           | NOC4:I>>>> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1265           | DOC1:I dir> condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1266           | DOC2:I dir>> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1267           | DOC3:I dir>>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1268           | DOC4:I dir>>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1269           | NEF1:I0> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1270           | NEF1:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1271           | NEF2:I0>> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1272           | NEF2:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1273           | NEF3:I0>>> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1274           | NEF3:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1275           | NEF4:I0>>>> condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                           |
| HR1276           | NEF4:Detected fault type | R      | 1      | 0=-;1=A-G-R;2=B-G-F;3=C-G-R;4=A-G-F;5=B-G-R;6=C-G-F         |
| HR1277           | DEF1:I0 dir> condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1278           | DEF1:U0> Measuring now   | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1279           | DEF1:I0 Direction now    | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1280           | DEF2:I0 dir>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1281           | DEF2:U0>> Measuring now  | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1282           | DEF2:I0 Direction now    | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |
| HR1283           | DEF3:I0 dir>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unear |
| HR1284           | DEF3:U0>>> Measuring now | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input               |
| HR1285           | DEF3:I0 Direction now    | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                            |

| Holding Register | Parameter                 | Access | Length |                                                                 |
|------------------|---------------------------|--------|--------|-----------------------------------------------------------------|
| HR1286           | DEF4:I0dir>>>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Unearthed Start;5=Unearthed |
| HR1287           | DEF4:U0>>>> Measuring now | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input                   |
| HR1288           | DEF4:I0 Direction now     | R      | 1      | 0=Reverse;1=Forward;2=Undefined;                                |
| HR1289           | IEF1:I0Int> condition     | R      | 1      | 0=Normal;1=StartFWD;2=StartREV;3=Trip;4=Blocked;                |
| HR1290           | IEF1:U0> Measuring now    | R      | 1      | 0=No U0 avail!;1=U3 Input;2=U4 Input                            |
| HR1291           | CUB1:I2> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1292           | CUB2:I2>> condition       | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1293           | CUB3:I2>>> condition      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1294           | CUB4:I2>>>> condition     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1295           | HOC1:Ih> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                               |
| HR1296           | HOC1:L1 Harm p.u.         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1297           |                           |        |        | HR1296 (Lo-16bits)                                              |
| HR1298           | HOC1:L1 Harm per          | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1299           |                           |        |        | HR1298 (Lo-16bits)                                              |
| HR1300           | HOC1:L2 Harm p.u.         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1301           |                           |        |        | HR1300 (Lo-16bits)                                              |
| HR1302           | HOC1:L2 Harm per          | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1303           |                           |        |        | HR1302 (Lo-16bits)                                              |
| HR1304           | HOC1:L3 Harm p.u.         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1305           |                           |        |        | HR1304 (Lo-16bits)                                              |
| HR1306           | HOC1:L3 Harm per          | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1307           |                           |        |        | HR1306 (Lo-16bits)                                              |
| HR1308           | HOC1:I01 Harm p.u.        | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1309           |                           |        |        | HR1308 (Lo-16bits)                                              |
| HR1310           | HOC1:I01 Harm per         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1311           |                           |        |        | HR1310 (Lo-16bits)                                              |
| HR1312           | HOC1:I02 Harm p.u.        | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1313           |                           |        |        | HR1312 (Lo-16bits)                                              |
| HR1314           | HOC1:I02 Harm per         | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                  |
| HR1315           |                           |        |        | HR1314 (Lo-16bits)                                              |

| Holding Register | Parameter            | Access | Length |                                   |
|------------------|----------------------|--------|--------|-----------------------------------|
| HR1316           | HOC2:Ih>> condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1317           | HOC2:L1 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1318           |                      |        |        | HR1317 (Lo-16bits)                |
| HR1319           | HOC2:L1 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1320           |                      |        |        | HR1319 (Lo-16bits)                |
| HR1321           | HOC2:L2 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1322           |                      |        |        | HR1321 (Lo-16bits)                |
| HR1323           | HOC2:L2 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1324           |                      |        |        | HR1323 (Lo-16bits)                |
| HR1325           | HOC2:L3 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1326           |                      |        |        | HR1325 (Lo-16bits)                |
| HR1327           | HOC2:L3 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1328           |                      |        |        | HR1327 (Lo-16bits)                |
| HR1329           | HOC2:I01 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1330           |                      |        |        | HR1329 (Lo-16bits)                |
| HR1331           | HOC2:I01 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1332           |                      |        |        | HR1331 (Lo-16bits)                |
| HR1333           | HOC2:I02 Harm p.u.   | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1334           |                      |        |        | HR1333 (Lo-16bits)                |
| HR1335           | HOC2:I02 Harm per    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1336           |                      |        |        | HR1335 (Lo-16bits)                |
| HR1337           | HOC3:Ih>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1338           | HOC3:L1 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1339           |                      |        |        | HR1338 (Lo-16bits)                |
| HR1340           | HOC3:L1 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1341           |                      |        |        | HR1340 (Lo-16bits)                |
| HR1342           | HOC3:L2 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1343           |                      |        |        | HR1342 (Lo-16bits)                |
| HR1344           | HOC3:L2 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1345           |                      |        |        | HR1344 (Lo-16bits)                |

| Holding Register | Parameter             | Access | Length |                                   |
|------------------|-----------------------|--------|--------|-----------------------------------|
| HR1346           | HOC3:L3 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1347           |                       |        |        | HR1346 (Lo-16bits)                |
| HR1348           | HOC3:L3 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1349           |                       |        |        | HR1348 (Lo-16bits)                |
| HR1350           | HOC3:I01 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1351           |                       |        |        | HR1350 (Lo-16bits)                |
| HR1352           | HOC3:I01 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1353           |                       |        |        | HR1352 (Lo-16bits)                |
| HR1354           | HOC3:I02 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1355           |                       |        |        | HR1354 (Lo-16bits)                |
| HR1356           | HOC3:I02 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1357           |                       |        |        | HR1356 (Lo-16bits)                |
| HR1358           | HOC4:Ih>>>> condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked |
| HR1359           | HOC4:L1 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1360           |                       |        |        | HR1359 (Lo-16bits)                |
| HR1361           | HOC4:L1 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1362           |                       |        |        | HR1361 (Lo-16bits)                |
| HR1363           | HOC4:L2 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1364           |                       |        |        | HR1363 (Lo-16bits)                |
| HR1365           | HOC4:L2 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1366           |                       |        |        | HR1365 (Lo-16bits)                |
| HR1367           | HOC4:L3 Harm p.u.     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1368           |                       |        |        | HR1367 (Lo-16bits)                |
| HR1369           | HOC4:L3 Harm per      | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1370           |                       |        |        | HR1369 (Lo-16bits)                |
| HR1371           | HOC4:I01 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1372           |                       |        |        | HR1371 (Lo-16bits)                |
| HR1373           | HOC4:I01 Harm per     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1374           |                       |        |        | HR1373 (Lo-16bits)                |
| HR1375           | HOC4:I02 Harm p.u.    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |

| Holding Register | Parameter                           | Access | Length |                                                                |
|------------------|-------------------------------------|--------|--------|----------------------------------------------------------------|
| HR1376           |                                     |        |        | HR1375 (Lo-16bits)                                             |
| HR1377           | HOC4:I02 Harm per                   | R      | 2      | FLOAT [0...100000] (Hi-16bits)                                 |
| HR1378           |                                     |        |        | HR1377 (Lo-16bits)                                             |
| HR1379           | CLP1:CLP condition                  | R      | 1      | 0=Normal;1=Curr low;2=Overcurrent On;3=CLPU On;4=CLPU b        |
| HR1380           | CBF1:CBFP condition                 | R      | 1      | 0=Normal;1=Start;2=ReTrip;3=CBFP On;4=Blocked                  |
| HR1381           | TRF1:Transformer is now             | R      | 1      | 0=No/LightLoad;1=Energizing;2=Normal load;3=Overloaded;4=C     |
| HR1382           | DIF1:Idb> condition                 | R      | 2      | 0b=Idb> Trip;1b=Idb> Blocked;2b=Idi> Trip;3b=Idi> Blocked;4b=2 |
| HR1383           |                                     |        |        | HR1382 (Lo-16bits)                                             |
| HR1384           | DIF1:L1 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1385           | DIF1:L2 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1386           | DIF1:L3 Condition                   | R      | 1      | 0=No Diff;1=Magnitude diff;2=Angle diff;3=Mag.and angle diff   |
| HR1387           | REF1:I0d> condition                 | R      | 1      | 0=Normal;1=Trip;2=Blocked                                      |
| HR1388           | TOLT1:TT> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1389           | TOLT1:Thermal status                | R      | 1      | 0=Light / No load;1=High overload;2=Overloading;3=Load norma   |
| HR1390           | TOLT1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                        |
| HR1391           | TOLT1:Ambient Temp Sel              | RW     | 1      | 0=Manual Set;1=RTD Meas                                        |
| HR1392           | TOLT1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                 |
| HR1393           | TOLF1:TF> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1394           | TOLF1:Thermal status                | R      | 1      | 0=Light / No load;1=High overload;2=Overloading;3=Load norma   |
| HR1395           | TOLF1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                        |
| HR1396           | TOLF1:Ambient Temp Sel              | RW     | 1      | 0=Manual Set;1=RTD Meas                                        |
| HR1397           | TOLF1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                                 |
| HR1398           | TOLF1:Set or Estimate tau (t const) | RW     | 1      | 0=Set;1=Estimate                                               |
| HR1399           | MST1:Motor is now                   | R      | 1      | 0=Stopped;1=Starting;2=Running;3=Stalled                       |
| HR1400           | TOLM1:TM> condition                 | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On;3=Inhibit On;4=Trip On;5=     |
| HR1401           | TOLM1:Motor status                  | R      | 1      | 0=Stopped;1=Stalled;2=JustStopped;3=Overloading;4=Running      |
| HR1402           | TOLM1:Temp C or F deg               | RW     | 1      | 0=C;1=F                                                        |
| HR1403           | TOLM1:NPS Biasing in use            | RW     | 1      | 0=No NPS biasing;1=NPS Biasing in use                          |
| HR1404           | TOLM1:Time constants                | RW     | 1      | 0=Single;1=Multiple                                            |

| Holding Register | Parameter                           | Access | Length |                                                          |
|------------------|-------------------------------------|--------|--------|----------------------------------------------------------|
| HR1405           | TOLM1:Estimate Short TC and timings | RW     | 1      | 0=Set manually;1=Estimate (on-line)                      |
| HR1406           | TOLM1:T const dyn. balancing        | RW     | 1      | 0=Fixed;1=Dynamic                                        |
| HR1407           | TOLM1:Dev.Temp (tmax)               | RW     | 1      | 0=A;1=B;2=F;3=H;4=Manual set                             |
| HR1408           | TOLM1:Amb. T Selection              | RW     | 1      | 0=Manual set;1=RTD                                       |
| HR1409           | TOLM1:RTD Sensor                    | R      | 1      | 0=Invalid;1=OK                                           |
| HR1410           | LCR1:ISt> condition                 | R      | 1      | 0=Normal;1=Start; 2=Set time Trip;3=M cap Trip;4=Blocked |
| HR1411           | FSP1:N> condition                   | R      | 1      | 0=Normal;1=Alarm On;2=Inhibits;3=Blocked                 |
| HR1412           | NUC1:I< condition                   | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                      |
| HR1413           | MJP1:Im> condition                  | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                      |
| HR1414           | OV1:U> condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1415           | OV2:U>> condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1416           | OV3:U>>> condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1417           | OV4:U>>>> condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1418           | UV1:U< condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1419           | UV2:U<< condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1420           | UV3:U<<< condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1421           | UV4:U<<<< condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Undervolt Blk On     |
| HR1422           | NOV1:U0> condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1423           | NOV1:U0> Measuring now              | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1424           | NOV2:U0>> condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1425           | NOV2:U0>> Measuring now             | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1426           | NOV3:U0>>> condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1427           | NOV3:U0>>> Measuring now            | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1428           | NOV4:U0>>>> condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1429           | NOV4:U0>>>> Measuring now           | R      | 1      | 0=No U0 avail!;1=U0Calc;2=U3 Input;3=U4 Input            |
| HR1430           | VUB1:U1/2 >/< condition             | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |
| HR1431           | VUB2:U1/2 >>/<< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                        |

| Holding Register | Parameter                    | Access | Length |                                                              |
|------------------|------------------------------|--------|--------|--------------------------------------------------------------|
| HR1432           | VUB3:U1/2 >>>/<<< condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1433           | VUB4:U1/2 >>>/<<< condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1434           | FRQC1:f> [Curr] condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1435           | FRQC1:f>> [Curr] condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1436           | FRQC1:f>>> [Curr] condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1437           | FRQC1:f>>>> [Curr] condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1438           | FRQC1:f< [Curr] condition    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1439           | FRQC1:f<< [Curr] condition   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1440           | FRQC1:f<<< [Curr] condition  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1441           | FRQC1:f<<<< [Curr] condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1442           | FRQV1:f> condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1443           | FRQV1:f>> condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1444           | FRQV1:f>>> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1445           | FRQV1:f>>>> condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1446           | FRQV1:f< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1447           | FRQV1:f<< condition          | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1448           | FRQV1:f<<< condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1449           | FRQV1:f<<<< condition        | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1450           | DFT1:df/dt >/< (1) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1451           | DFT1:df/dt >/< (2) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1452           | DFT1:df/dt >/< (3) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1453           | DFT1:df/dt >/< (4) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1454           | DFT1:df/dt >/< (5) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1455           | DFT1:df/dt >/< (6) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1456           | DFT1:df/dt >/< (7) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1457           | DFT1:df/dt >/< (8) condition | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1458           | GST1:Generator is now        | R      | 1      | 0=No/LightLoad;1=Normal load;2=Overloaded;3=On high overload |

| Holding Register | Parameter                    | Access | Length |                                                              |
|------------------|------------------------------|--------|--------|--------------------------------------------------------------|
| HR1459           | OPW1:P> condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1460           | UPW1:P< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1461           | RPW1:Prev> condition         | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                            |
| HR1462           | SEF1:U03rd< condition        | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1463           | SEF1:U03rd< Measuring now    | R      | 1      | 0=No U0 avail!;1=U3 Input;2=U4 Input                         |
| HR1464           | UEX1:Q< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1465           | UIM1:Z< condition            | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1466           | VOC1:lv> condition           | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                          |
| HR1467           | VOC1:Voltage measurement     | R      | 1      | 0=Invalid U1 not avail.;1=Ok                                 |
| HR1468           | VHZ1:V/Hz(1) > condition     | R      | 1      | 0=Normal;1=VHz(1) Blocked;2=VHz(1) Start;3=VHz(1) Alarm;4=   |
| HR1469           | UPF1:PF< condition           | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked;4=Alarm Start;5=Alarm      |
| HR1470           | ARC1:I/I0 Arc> condition     | R      | 1      | 0b=Z1 Trip;1b=Z1 Blocked;2b=Z2 Trip;3b=Z2 Blocked;4b=Z3 Trip |
| HR1471           | CTS1:CTS1 condition          | R      | 1      | 0=Normal;1=Alarm;2=Blocked                                   |
| HR1472           | CTS2:CTS2 condition          | R      | 1      | 0=Normal;1=Alarm;2=Blocked                                   |
| HR1473           | VTS1:VTS condition           | R      | 1      | 0=Normal;1=Start;2=VTBusfail;3=VTLinefail;4=Blocked          |
| HR1474           | VTS1:Bus voltages            | R      | 1      | 0=Bus dead;1=Bus Live VTS Ok SEQ Ok;2=Bus Live VTS Ok SE     |
| HR1475           | FLX1:Fault locator condition | R      | 1      | 0=Idle;1=Triggered;2=Calc ready                              |
| HR1476           | THD1:THD condition           | R      | 1      | 0=Normal;1=Start;2=Alarm;3=Blocked                           |
| HR1477           | CBW1:CBW condition           | R      | 1      | 0=Normal;1=Alarm1 On;2=Alarm2 On                             |
| HR1478           | NJK1:U0> RECL condition      | R      | 1      | 0=Normal;1=Requested;2=Blocked;3=Active;4=BK clo cmd;5=BK    |
| HR1479           | SOF1:SOTF condition          | R      | 1      | 0=Normal;1=Init;2=Active;3=Trip;4=Blocked                    |
| HR1480           | SYN1:SYN1 Condition          | R      | 2      | 0b=SYN1 Blocked;1b=SYN1 Ok;2b=SYN1 Bypass;3b=SYN1 Vco        |
| HR1481           |                              |        |        | HR1480 (Lo-16bits)                                           |
| HR1482           | SYN1:SYN2 Condition          | R      | 2      | 0b=SYN2 Blocked;1b=SYN2 Ok;2b=SYN2 Bypass;3b=SYN2 Vco        |
| HR1483           |                              |        |        | HR1482 (Lo-16bits)                                           |
| HR1484           | SYN1:SYN3 Condition          | R      | 2      | 0b=SYN3 Blocked;1b=SYN3 Ok;2b=SYN3 Bypass;3b=SYN3 Vco        |
| HR1485           |                              |        |        | HR1484 (Lo-16bits)                                           |
| HR1486           | OBJ1:Object1 Breaker Status  | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                         |



| Holding Register | Parameter                             | Access | Length |                                                                                                                                           |
|------------------|---------------------------------------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------|
| HR1487           | OBJ2:Object2 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                      |
| HR1488           | OBJ3:Object3 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                      |
| HR1489           | OBJ4:Object4 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                      |
| HR1490           | OBJ5:Object5 Breaker Status           | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                      |
| HR1491           | CIN1:Ind.1 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                      |
| HR1492           | CIN2:Ind.2 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                      |
| HR1493           | CIN3:Ind.3 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                      |
| HR1494           | CIN4:Ind.4 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                      |
| HR1495           | CIN5:Ind.5 Object Status              | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad                                                                                                      |
| HR1496           | AR1:AR Status                         | R      | 2      | 0b=AR is inhibit;1b=AR is ready;2b=AR is locked;3b=AR is running;4b=AR is Requested;14b=AR4 Requested;15b=AR5 Requested;16b=AR6 Requested |
| HR1497           |                                       |        |        | HR1496 (Lo-16bits)                                                                                                                        |
| HR1498           | AR1:Timer active                      | R      | 1      | 0=-;1=AR Lockout;2=AR Reset Reclaim;3=AR Start Delay;4=AR Stop Delay                                                                      |
| HR1499           | VRG1:Vreg settings condition          | R      | 2      | 0b=U>> set too low;1b=U< set too high;2b=U> set higher than U<                                                                            |
| HR1500           |                                       |        |        | HR1499 (Lo-16bits)                                                                                                                        |
| HR1501           | VRG1:Vreg condition                   | R      | 2      | 0b=Raise command on;1b=Lower command on;2b=Operation blocked                                                                              |
| HR1502           |                                       |        |        | HR1501 (Lo-16bits)                                                                                                                        |
| HR1503           | VRG1:Vreg timer active                | R      | 1      | 0=-;1=Fine tune Decrease;2=Fine tune Increase;3=Low set Decrease                                                                          |
| HR1504           | VRG1:Voltage meas condition           | R      | 1      | 0=Not configured;1=System U12;2=System U23;3=System U31;4=System U42                                                                      |
| HR1505           | EMON1:I> (50) Monitor condition       | R      | 1      | 0=Normal;1=FLT detected                                                                                                                   |
| HR1506           | EMON1:I0> (50N) Monitor condition     | R      | 1      | 0=Normal;1=FLT detected                                                                                                                   |
| HR1507           | EMON1:Idir> (67) Monitor condition    | R      | 1      | 0=Normal;1=FLT detected                                                                                                                   |
| HR1508           | EMON1:I0dir> (67N) Monitor condition  | R      | 1      | 0=Normal;1=FLT detected                                                                                                                   |
| HR1509           | EMON1:I0Int> (67NT) Monitor condition | R      | 1      | 0=Normal;1=FLT FW;2=FLT REV                                                                                                               |
| HR1510           | EMON1:U< (27) Monitor condition       | R      | 1      | 0=Normal;1=Undervoltage;2=No voltage                                                                                                      |

| Holding Register | Parameter                         | Access | Length |                                                         |
|------------------|-----------------------------------|--------|--------|---------------------------------------------------------|
| HR1511           | EMON1:U0> (59N) Monitor condition | R      | 1      | 0=Normal;1=FLT detected                                 |
| HR1512           | EMON1:FL (21FL) Monitor condition | R      | 1      | 0=Normal;1=FLT detected                                 |
| HR1513           | MEAS1:Meas1 IL ang. Ref           | R      | 2      | FLOAT [-360...360] (Hi-16bits)                          |
| HR1514           |                                   |        |        | HR1513 (Lo-16bits)                                      |
| HR1515           | DIF1:REFHV> condition             | R      | 2      | 0b=HV REF Blocked;1b=HV REF Trip (Hi-16bits)            |
| HR1516           |                                   |        |        | HR1515 (Lo-16bits)                                      |
| HR1517           | DIF1:REFLV> condition             | R      | 2      | 0b=LV REF Blocked;1b=LV REF Trip (Hi-16bits)            |
| HR1518           |                                   |        |        | HR1517 (Lo-16bits)                                      |
| HR1519           | ALARM:Alarms 1-32                 | R      | 2      | 0b=A1;1b=A2;2b=A3;3b=A4;4b=A5;5b=A6;6b=A7;7b=A8;8b=A9   |
| HR1520           |                                   |        |        | HR1519 (Lo-16bits)                                      |
| HR1521           | ALARM:Alarms 33-64                | R      | 2      | 0b=A33;1b=A34;2b=A35;3b=A36;4b=A37;5b=A38;6b=A39;7b=A40 |
| HR1522           |                                   |        |        | HR1521 (Lo-16bits)                                      |
| HR1523           | DIAG:Configuration changed        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)                     |
| HR1524           |                                   |        |        | HR1523 (Lo-16bits)                                      |
| HR1525           | RTDIN:S1 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1526           |                                   |        |        | HR1525 (Lo-16bits)                                      |
| HR1527           | RTDIN:S2 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1528           |                                   |        |        | HR1527 (Lo-16bits)                                      |
| HR1529           | RTDIN:S3 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1530           |                                   |        |        | HR1529 (Lo-16bits)                                      |
| HR1531           | RTDIN:S4 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1532           |                                   |        |        | HR1531 (Lo-16bits)                                      |
| HR1533           | RTDIN:S5 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |
| HR1534           |                                   |        |        | HR1533 (Lo-16bits)                                      |
| HR1535           | RTDIN:S6 Measurement(Raw)         | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                     |

| Holding Register | Parameter                     | Access | Length |                                     |
|------------------|-------------------------------|--------|--------|-------------------------------------|
| HR1536           |                               |        |        | HR1535 (Lo-16bits)                  |
| HR1537           | RTDIN:S7<br>Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1538           |                               |        |        | HR1537 (Lo-16bits)                  |
| HR1539           | RTDIN:S7 Measurement<br>mA    | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1540           |                               |        |        | HR1539 (Lo-16bits)                  |
| HR1541           | RTDIN:S8<br>Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1542           |                               |        |        | HR1541 (Lo-16bits)                  |
| HR1543           | RTDIN:S8 Measurement<br>mA    | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1544           |                               |        |        | HR1543 (Lo-16bits)                  |
| HR1545           | RTDIN:S9<br>Measurement(Raw)  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1546           |                               |        |        | HR1545 (Lo-16bits)                  |
| HR1547           | RTDIN:S10<br>Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1548           |                               |        |        | HR1547 (Lo-16bits)                  |
| HR1549           | RTDIN:S11<br>Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1550           |                               |        |        | HR1549 (Lo-16bits)                  |
| HR1551           | RTDIN:S12<br>Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1552           |                               |        |        | HR1551 (Lo-16bits)                  |
| HR1553           | RTDIN:S13<br>Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1554           |                               |        |        | HR1553 (Lo-16bits)                  |
| HR1555           | RTDIN:S14<br>Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1556           |                               |        |        | HR1555 (Lo-16bits)                  |
| HR1557           | RTDIN:S15<br>Measurement(Raw) | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1558           |                               |        |        | HR1557 (Lo-16bits)                  |
| HR1559           | RTDIN:S15 Measurement<br>mA   | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |

| Holding Register | Parameter                         | Access | Length |                                     |
|------------------|-----------------------------------|--------|--------|-------------------------------------|
| HR1560           |                                   |        |        | HR1559 (Lo-16bits)                  |
| HR1561           | RTDIN:S16 Measurement(Raw)        | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR1562           |                                   |        |        | HR1561 (Lo-16bits)                  |
| HR1563           | RTDIN:S16 Measurement mA          | R      | 2      | FLOAT [0.000...20.000] (Hi-16bits)  |
| HR1564           |                                   |        |        | HR1563 (Lo-16bits)                  |
| HR1565           | RTD1:S1 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1566           |                                   |        |        | HR1565 (Lo-16bits)                  |
| HR1567           | RTD1:S2 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1568           |                                   |        |        | HR1567 (Lo-16bits)                  |
| HR1569           | RTD1:S3 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1570           |                                   |        |        | HR1569 (Lo-16bits)                  |
| HR1571           | RTD1:S4 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1572           |                                   |        |        | HR1571 (Lo-16bits)                  |
| HR1573           | RTD1:S5 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1574           |                                   |        |        | HR1573 (Lo-16bits)                  |
| HR1575           | RTD1:S6 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1576           |                                   |        |        | HR1575 (Lo-16bits)                  |
| HR1577           | RTD1:S7 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1578           |                                   |        |        | HR1577 (Lo-16bits)                  |
| HR1579           | RTD1:S8 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1580           |                                   |        |        | HR1579 (Lo-16bits)                  |
| HR1581           | RTD1:S9 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |
| HR1582           |                                   |        |        | HR1581 (Lo-16bits)                  |
| HR1583           | RTD1:S10 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)     |

| Holding Register | Parameter                         | Access | Length |                                         |
|------------------|-----------------------------------|--------|--------|-----------------------------------------|
| HR1584           |                                   |        |        | HR1583 (Lo-16bits)                      |
| HR1585           | RTD1:S11 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1586           |                                   |        |        | HR1585 (Lo-16bits)                      |
| HR1587           | RTD1:S12 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1588           |                                   |        |        | HR1587 (Lo-16bits)                      |
| HR1589           | RTD1:S1 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1590           |                                   |        |        | HR1589 (Lo-16bits)                      |
| HR1591           | RTD1:S1 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1592           |                                   |        |        | HR1591 (Lo-16bits)                      |
| HR1593           | RTD1:S2 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1594           |                                   |        |        | HR1593 (Lo-16bits)                      |
| HR1595           | RTD1:S2 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1596           |                                   |        |        | HR1595 (Lo-16bits)                      |
| HR1597           | RTD1:S3 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1598           |                                   |        |        | HR1597 (Lo-16bits)                      |
| HR1599           | RTD1:S3 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1600           |                                   |        |        | HR1599 (Lo-16bits)                      |
| HR1601           | RTD1:S4 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1602           |                                   |        |        | HR1601 (Lo-16bits)                      |
| HR1603           | RTD1:S4 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1604           |                                   |        |        | HR1603 (Lo-16bits)                      |
| HR1605           | RTD1:S5 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1606           |                                   |        |        | HR1605 (Lo-16bits)                      |
| HR1607           | RTD1:S5 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1608           |                                   |        |        | HR1607 (Lo-16bits)                      |
| HR1609           | RTD1:S6 ALARM1 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1610           |                                   |        |        | HR1609 (Lo-16bits)                      |
| HR1611           | RTD1:S6 ALARM2 ON                 | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1612           |                                   |        |        | HR1611 (Lo-16bits)                      |

| Holding Register | Parameter                | Access | Length |                                                                    |
|------------------|--------------------------|--------|--------|--------------------------------------------------------------------|
| HR1613           | RTD1:S7 ALARM1 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1614           |                          |        |        | HR1613 (Lo-16bits)                                                 |
| HR1615           | RTD1:S7 ALARM2 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1616           |                          |        |        | HR1615 (Lo-16bits)                                                 |
| HR1617           | RTD1:S8 ALARM1 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1618           |                          |        |        | HR1617 (Lo-16bits)                                                 |
| HR1619           | RTD1:S8 ALARM2 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1620           |                          |        |        | HR1619 (Lo-16bits)                                                 |
| HR1621           | RTD1:S9 ALARM1 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1622           |                          |        |        | HR1621 (Lo-16bits)                                                 |
| HR1623           | RTD1:S9 ALARM2 ON        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1624           |                          |        |        | HR1623 (Lo-16bits)                                                 |
| HR1625           | RTD1:S10 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1626           |                          |        |        | HR1625 (Lo-16bits)                                                 |
| HR1627           | RTD1:S10 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1628           |                          |        |        | HR1627 (Lo-16bits)                                                 |
| HR1629           | RTD1:S11 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1630           |                          |        |        | HR1629 (Lo-16bits)                                                 |
| HR1631           | RTD1:S11 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1632           |                          |        |        | HR1631 (Lo-16bits)                                                 |
| HR1633           | RTD1:S12 ALARM1 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1634           |                          |        |        | HR1633 (Lo-16bits)                                                 |
| HR1635           | VHZ1:V/Hz(2) > condition | R      | 1      | 0=Normal;1=VHz(2) Start;2=VHz(2) Alarm;3=VHz(2) Trip;4=VHz(2) Trip |
| HR1636           | RTD1:S12 ALARM2 ON       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1637           |                          |        |        | HR1636 (Lo-16bits)                                                 |
| HR1638           | UIM2:Z<< condition       | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                                |
| HR1639           | RTD1:S1 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1640           |                          |        |        | HR1639 (Lo-16bits)                                                 |
| HR1641           | RTD1:S2 MEAS INVALID     | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                            |
| HR1642           |                          |        |        | HR1641 (Lo-16bits)                                                 |

| Holding Register | Parameter                  | Access | Length |                                         |
|------------------|----------------------------|--------|--------|-----------------------------------------|
| HR1643           | RTD1:S3 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1644           |                            |        |        | HR1643 (Lo-16bits)                      |
| HR1645           | RTD1:S4 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1646           |                            |        |        | HR1645 (Lo-16bits)                      |
| HR1647           | RTD1:S5 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1648           |                            |        |        | HR1647 (Lo-16bits)                      |
| HR1649           | RTD1:S6 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1650           |                            |        |        | HR1649 (Lo-16bits)                      |
| HR1651           | RTD1:S7 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1652           |                            |        |        | HR1651 (Lo-16bits)                      |
| HR1653           | RTD1:S8 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1654           |                            |        |        | HR1653 (Lo-16bits)                      |
| HR1655           | RTD1:S9 MEAS INVALID       | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1656           |                            |        |        | HR1655 (Lo-16bits)                      |
| HR1657           | RTD1:S10 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1658           |                            |        |        | HR1657 (Lo-16bits)                      |
| HR1659           | RTD1:S11 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1660           |                            |        |        | HR1659 (Lo-16bits)                      |
| HR1661           | RTD1:S12 MEAS INVALID      | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1662           |                            |        |        | HR1661 (Lo-16bits)                      |
| HR1663           | MBIO:MBIO ModA Ch1 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1664           |                            |        |        | HR1663 (Lo-16bits)                      |
| HR1665           | MBIO:MBIO ModA Ch2 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1666           |                            |        |        | HR1665 (Lo-16bits)                      |
| HR1667           | MBIO:MBIO ModA Ch3 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1668           |                            |        |        | HR1667 (Lo-16bits)                      |
| HR1669           | MBIO:MBIO ModA Ch4 Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1670           |                            |        |        | HR1669 (Lo-16bits)                      |

| Holding Register | Parameter                     | Access | Length |                                         |
|------------------|-------------------------------|--------|--------|-----------------------------------------|
| HR1671           | MBIO:MBIO ModA Ch5<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1672           |                               |        |        | HR1671 (Lo-16bits)                      |
| HR1673           | MBIO:MBIO ModA Ch6<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1674           |                               |        |        | HR1673 (Lo-16bits)                      |
| HR1675           | MBIO:MBIO ModA Ch7<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1676           |                               |        |        | HR1675 (Lo-16bits)                      |
| HR1677           | MBIO:MBIO ModA Ch8<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1678           |                               |        |        | HR1677 (Lo-16bits)                      |
| HR1679           | MBIO:MBIO ModB Ch1<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1680           |                               |        |        | HR1679 (Lo-16bits)                      |
| HR1681           | MBIO:MBIO ModB Ch2<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1682           |                               |        |        | HR1681 (Lo-16bits)                      |
| HR1683           | MBIO:MBIO ModB Ch3<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1684           |                               |        |        | HR1683 (Lo-16bits)                      |
| HR1685           | MBIO:MBIO ModB Ch4<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1686           |                               |        |        | HR1685 (Lo-16bits)                      |
| HR1687           | MBIO:MBIO ModB Ch5<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1688           |                               |        |        | HR1687 (Lo-16bits)                      |
| HR1689           | MBIO:MBIO ModB Ch6<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1690           |                               |        |        | HR1689 (Lo-16bits)                      |
| HR1691           | MBIO:MBIO ModB Ch7<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1692           |                               |        |        | HR1691 (Lo-16bits)                      |
| HR1693           | MBIO:MBIO ModB Ch8<br>Invalid | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1694           |                               |        |        | HR1693 (Lo-16bits)                      |



| Holding Register | Parameter                     | Access | Length |                                         |
|------------------|-------------------------------|--------|--------|-----------------------------------------|
| HR1695           | MBIO:MBIO ModC Ch1 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1696           |                               |        |        | HR1695 (Lo-16bits)                      |
| HR1697           | MBIO:MBIO ModC Ch2 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1698           |                               |        |        | HR1697 (Lo-16bits)                      |
| HR1699           | MBIO:MBIO ModC Ch3 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1700           |                               |        |        | HR1699 (Lo-16bits)                      |
| HR1701           | MBIO:MBIO ModC Ch4 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1702           |                               |        |        | HR1701 (Lo-16bits)                      |
| HR1703           | MBIO:MBIO ModC Ch5 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1704           |                               |        |        | HR1703 (Lo-16bits)                      |
| HR1705           | MBIO:MBIO ModC Ch6 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1706           |                               |        |        | HR1705 (Lo-16bits)                      |
| HR1707           | MBIO:MBIO ModC Ch7 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1708           |                               |        |        | HR1707 (Lo-16bits)                      |
| HR1709           | MBIO:MBIO ModC Ch8 Invalid    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1710           |                               |        |        | HR1709 (Lo-16bits)                      |
| HR1711           | OBJ6:Object6 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1712           | OBJ7:Object7 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1713           | OBJ8:Object8 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1714           | OBJ9:Object9 Breaker Status   | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1715           | OBJ10:Object10 Breaker Status | R      | 1      | 0=Intermediate;1=Open;2=Closed;3=Bad    |
| HR1716           | VRG1:Voltage now              | R      | 2      | FLOAT [0...140] (Hi-16bits)             |
| HR1717           |                               |        |        | HR1716 (Lo-16bits)                      |

| Holding Register | Parameter                             | Access | Length |                                          |
|------------------|---------------------------------------|--------|--------|------------------------------------------|
| HR1718           | VRG1:Voltage difference to set target | R      | 2      | FLOAT [-140...140] (Hi-16bits)           |
| HR1719           |                                       |        |        | HR1718 (Lo-16bits)                       |
| HR1720           | VRG1:Tap location now (-0 +)          | R      | 2      | FLOAT [-30...30] (Hi-16bits)             |
| HR1721           |                                       |        |        | HR1720 (Lo-16bits)                       |
| HR1722           | VRG1:Absolute tap location            | R      | 2      | FLOAT [0...50] (Hi-16bits)               |
| HR1723           |                                       |        |        | HR1722 (Lo-16bits)                       |
| HR1724           | VRG1:Control mode                     | R      | 1      | 0=Auto;1=Manual (loc&rem)                |
| HR1725           | VRG1:Remote tap control input         | RW     | 1      | 0=Stop;1=Lower;2=Higher                  |
| HR1726           | VJP1:<DELTA><alpha> > condition       | R      | 1      | 0=Normal;1=Blocked;2=Trip;3=Alarm        |
| HR1727           | LOGIC1:Logic out 1-32                 | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits)      |
| HR1728           |                                       |        |        | HR1727 (Lo-16bits)                       |
| HR1729           | PGS1:PS1 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1730           | VJP1:Voltage meas selected            | R      | 1      | 0=Selection Ok;1=Selection not available |
| HR1731           | PGS1:PS2 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1732           | PGS1:PS3 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1733           | PGS1:PS4 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1734           | PGS1:PS5 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1735           | PGS1:PS6 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1736           | PGS1:PS7 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1737           | PGS1:PS8 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1738           | PGS1:PS9 >/< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1739           | PGS1:PS10 >/< condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked        |
| HR1740           | ASC1:Curve1 Input                     | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1741           |                                       |        |        | HR1740 (Lo-16bits)                       |
| HR1742           | ASC1:Curve1 Output                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1743           |                                       |        |        | HR1742 (Lo-16bits)                       |
| HR1744           | ASC1:Curve2 Input                     | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)   |
| HR1745           |                                       |        |        | HR1744 (Lo-16bits)                       |

| Holding Register | Parameter                            | Access | Length |                                         |
|------------------|--------------------------------------|--------|--------|-----------------------------------------|
| HR1746           | ASC1:Curve2 Output                   | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1747           |                                      |        |        | HR1746 (Lo-16bits)                      |
| HR1748           | ASC1:Curve3 Input                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1749           |                                      |        |        | HR1748 (Lo-16bits)                      |
| HR1750           | ASC1:Curve3 Output                   | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1751           |                                      |        |        | HR1750 (Lo-16bits)                      |
| HR1752           | ASC1:Curve4 Input                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1753           |                                      |        |        | HR1752 (Lo-16bits)                      |
| HR1754           | ASC1:Curve4 Output                   | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)  |
| HR1755           |                                      |        |        | HR1754 (Lo-16bits)                      |
| HR1756           | PCS1:PCS1 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1757           |                                      |        |        | HR1756 (Lo-16bits)                      |
| HR1758           | PCS2:PCS2 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1759           |                                      |        |        | HR1758 (Lo-16bits)                      |
| HR1760           | PCS3:PCS3 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1761           |                                      |        |        | HR1760 (Lo-16bits)                      |
| HR1762           | PCS4:PCS4 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1763           |                                      |        |        | HR1762 (Lo-16bits)                      |
| HR1764           | PCS5:PCS5 Switch Status              | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1765           |                                      |        |        | HR1764 (Lo-16bits)                      |
| HR1766           | AR1:Auto-recloser [79]<br>Mode       | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1767           | CTRL:Local/Remote status             | R      | 1      | 0=Remote;1=Local                        |
| HR1768           | RTD1:S13 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1769           |                                      |        |        | HR1768 (Lo-16bits)                      |
| HR1770           | RTD1:S14 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1771           |                                      |        |        | HR1770 (Lo-16bits)                      |
| HR1772           | RTD1:S15 Measurement<br>(Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1773           |                                      |        |        | HR1772 (Lo-16bits)                      |

| Holding Register | Parameter                         | Access | Length |                                         |
|------------------|-----------------------------------|--------|--------|-----------------------------------------|
| HR1774           | RTD1:S16 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1775           |                                   |        |        | HR1774 (Lo-16bits)                      |
| HR1776           | RTD1:S13 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1777           |                                   |        |        | HR1776 (Lo-16bits)                      |
| HR1778           | RTD1:S13 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1779           |                                   |        |        | HR1778 (Lo-16bits)                      |
| HR1780           | RTD1:S13 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1781           |                                   |        |        | HR1780 (Lo-16bits)                      |
| HR1782           | RTD1:S14 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1783           |                                   |        |        | HR1782 (Lo-16bits)                      |
| HR1784           | RTD1:S14 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1785           |                                   |        |        | HR1784 (Lo-16bits)                      |
| HR1786           | RTD1:S14 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1787           |                                   |        |        | HR1786 (Lo-16bits)                      |
| HR1788           | RTD1:S15 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1789           |                                   |        |        | HR1788 (Lo-16bits)                      |
| HR1790           | RTD1:S15 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1791           |                                   |        |        | HR1790 (Lo-16bits)                      |
| HR1792           | RTD1:S15 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1793           |                                   |        |        | HR1792 (Lo-16bits)                      |
| HR1794           | RTD1:S16 ALARM1 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1795           |                                   |        |        | HR1794 (Lo-16bits)                      |
| HR1796           | RTD1:S16 ALARM2 ON                | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1797           |                                   |        |        | HR1796 (Lo-16bits)                      |
| HR1798           | RTD1:S16 MEAS INVALID             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1799           |                                   |        |        | HR1798 (Lo-16bits)                      |
| HR1800           | GSYN:Synchronizer mode            | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1801           | GSYN:Magnitude difference         | R      | 2      | FLOAT [-200...200] (Hi-16bits)          |
| HR1802           |                                   |        |        | HR1801 (Lo-16bits)                      |

| Holding Register | Parameter                                | Access | Length |                                        |
|------------------|------------------------------------------|--------|--------|----------------------------------------|
| HR1803           | GSYN:Frequency difference                | R      | 2      | FLOAT [-100...100] (Hi-16bits)         |
| HR1804           |                                          |        |        | HR1803 (Lo-16bits)                     |
| HR1805           | GSYN:Angle difference                    | R      | 2      | FLOAT [-360...360] (Hi-16bits)         |
| HR1806           |                                          |        |        | HR1805 (Lo-16bits)                     |
| HR1807           | GSYN:Magnitude difference on closing BRK | R      | 2      | FLOAT [-200...200] (Hi-16bits)         |
| HR1808           |                                          |        |        | HR1807 (Lo-16bits)                     |
| HR1809           | GSYN:Frequency difference on closing BRK | R      | 2      | FLOAT [-100...100] (Hi-16bits)         |
| HR1810           |                                          |        |        | HR1809 (Lo-16bits)                     |
| HR1811           | GSYN:Angle difference on closing BRK     | R      | 2      | FLOAT [-360...360] (Hi-16bits)         |
| HR1812           |                                          |        |        | HR1811 (Lo-16bits)                     |
| HR1813           | GSYN:Synchronizing time left             | R      | 2      | FLOAT [0...1800] (Hi-16bits)           |
| HR1814           |                                          |        |        | HR1813 (Lo-16bits)                     |
| HR1815           | GSYN:Magnitude difference fine tune      | RW     | 2      | FLOAT [-200...200] (Hi-16bits)         |
| HR1816           |                                          |        |        | HR1815 (Lo-16bits)                     |
| HR1817           | GSYN:Frequency difference fine tune      | RW     | 2      | FLOAT [-100...100] (Hi-16bits)         |
| HR1818           |                                          |        |        | HR1817 (Lo-16bits)                     |
| HR1819           | GSYN:Angle difference fine tune          | RW     | 2      | FLOAT [-360...360] (Hi-16bits)         |
| HR1820           |                                          |        |        | HR1819 (Lo-16bits)                     |
| HR1821           | GSYN:Start Synchronizer                  | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1822           |                                          |        |        | HR1821 (Lo-16bits)                     |
| HR1823           | GSYN:Stop Synchronizer                   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1824           |                                          |        |        | HR1823 (Lo-16bits)                     |
| HR1825           | GSYN:Block and Interrupt Synchronizing   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1826           |                                          |        |        | HR1825 (Lo-16bits)                     |
| HR1827           | GSYN:Breaker Closed                      | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR1828           |                                          |        |        | HR1827 (Lo-16bits)                     |

| Holding Register | Parameter                            | Access | Length |                                         |
|------------------|--------------------------------------|--------|--------|-----------------------------------------|
| HR1829           | GSYN:GSYN Voltage Mag.Difference Ok  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1830           |                                      |        |        | HR1829 (Lo-16bits)                      |
| HR1831           | GSYN:GSYN Voltage Freq.Difference Ok | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1832           |                                      |        |        | HR1831 (Lo-16bits)                      |
| HR1833           | GSYN:GSYN Voltage Ang.Difference Ok  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1834           |                                      |        |        | HR1833 (Lo-16bits)                      |
| HR1835           | GSYN:GSYN Blocked                    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1836           |                                      |        |        | HR1835 (Lo-16bits)                      |
| HR1837           | GSYN:GSYN Running                    | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1838           |                                      |        |        | HR1837 (Lo-16bits)                      |
| HR1839           | GSYN:GSYN Increase Voltage           | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1840           |                                      |        |        | HR1839 (Lo-16bits)                      |
| HR1841           | GSYN:GSYN Decrease Voltage           | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1842           |                                      |        |        | HR1841 (Lo-16bits)                      |
| HR1843           | GSYN:GSYN Increase Frequency         | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1844           |                                      |        |        | HR1843 (Lo-16bits)                      |
| HR1845           | GSYN:GSYN Decrease Frequency         | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1846           |                                      |        |        | HR1845 (Lo-16bits)                      |
| HR1847           | GSYN:GSYN Breaker Close Pulse        | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1848           |                                      |        |        | HR1847 (Lo-16bits)                      |
| HR1849           | GSYN:GSYN Long Sync Time             | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1850           |                                      |        |        | HR1849 (Lo-16bits)                      |
| HR1851           | VREC:Measurement value recorder mode | RW     | 1      | 0=Disabled;1=Activated                  |
| HR1852           | VREC:Scale current values to primary | RW     | 1      | 0=No;1=Yes                              |

| Holding Register | Parameter                                                         | Access | Length |                                          |
|------------------|-------------------------------------------------------------------|--------|--------|------------------------------------------|
| HR1853           | VREC:Record fault types (Overcurrent & Voltage Over/Under) faults | RW     | 1      | 0=No;1=Yes                               |
| HR1854           | VREC:Trigger register to memory                                   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)   |
| HR1855           |                                                                   |        |        | HR1854 (Lo-16bits)                       |
| HR1856           | VREC:VREC Magnitude 1                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1857           |                                                                   |        |        | HR1856 (Lo-16bits)                       |
| HR1858           | VREC:VREC Magnitude 2                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1859           |                                                                   |        |        | HR1858 (Lo-16bits)                       |
| HR1860           | VREC:VREC Magnitude 3                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1861           |                                                                   |        |        | HR1860 (Lo-16bits)                       |
| HR1862           | VREC:VREC Magnitude 4                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1863           |                                                                   |        |        | HR1862 (Lo-16bits)                       |
| HR1864           | VREC:VREC Magnitude 5                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1865           |                                                                   |        |        | HR1864 (Lo-16bits)                       |
| HR1866           | VREC:VREC Magnitude 6                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1867           |                                                                   |        |        | HR1866 (Lo-16bits)                       |
| HR1868           | VREC:VREC Magnitude 7                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1869           |                                                                   |        |        | HR1868 (Lo-16bits)                       |
| HR1870           | VREC:VREC Magnitude 8                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1871           |                                                                   |        |        | HR1870 (Lo-16bits)                       |
| HR1872           | RTB:Measurement value recorder mode                               | RW     | 1      | 0=Disabled;1=Activated                   |
| HR1873           | RTB:Scale current values to primary                               | RW     | 1      | 0=No;1=Yes                               |
| HR1874           | RTB:RTS to bus Magnitude 1                                        | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1875           |                                                                   |        |        | HR1874 (Lo-16bits)                       |
| HR1876           | RTB:RTS to bus Magnitude 2                                        | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1877           |                                                                   |        |        | HR1876 (Lo-16bits)                       |
| HR1878           | RTB:RTS to bus Magnitude 3                                        | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |

| Holding Register | Parameter                                 | Access | Length |                                          |
|------------------|-------------------------------------------|--------|--------|------------------------------------------|
| HR1879           |                                           |        |        | HR1878 (Lo-16bits)                       |
| HR1880           | RTB:RTS to bus Magnitude 4                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1881           |                                           |        |        | HR1880 (Lo-16bits)                       |
| HR1882           | RTB:RTS to bus Magnitude 5                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1883           |                                           |        |        | HR1882 (Lo-16bits)                       |
| HR1884           | RTB:RTS to bus Magnitude 6                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1885           |                                           |        |        | HR1884 (Lo-16bits)                       |
| HR1886           | RTB:RTS to bus Magnitude 7                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1887           |                                           |        |        | HR1886 (Lo-16bits)                       |
| HR1888           | RTB:RTS to bus Magnitude 8                | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1889           |                                           |        |        | HR1888 (Lo-16bits)                       |
| HR1890           | AOUT:mA In Channel 1                      | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1891           |                                           |        |        | HR1890 (Lo-16bits)                       |
| HR1892           | AOUT:mA In Channel 2                      | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1893           |                                           |        |        | HR1892 (Lo-16bits)                       |
| HR1894           | AOUT:mA Out Channel 1 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1895           |                                           |        |        | HR1894 (Lo-16bits)                       |
| HR1896           | AOUT:mA Out Channel 1 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1897           |                                           |        |        | HR1896 (Lo-16bits)                       |
| HR1898           | AOUT:mA Out Channel 2 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1899           |                                           |        |        | HR1898 (Lo-16bits)                       |
| HR1900           | AOUT:mA Out Channel 2 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1901           |                                           |        |        | HR1900 (Lo-16bits)                       |
| HR1902           | AOUT:mA Out Channel 3 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1903           |                                           |        |        | HR1902 (Lo-16bits)                       |



| Holding Register | Parameter                                 | Access | Length |                                          |
|------------------|-------------------------------------------|--------|--------|------------------------------------------|
| HR1904           | AOUT:mA Out Channel 3 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1905           |                                           |        |        | HR1904 (Lo-16bits)                       |
| HR1906           | AOUT:mA Out Channel 4 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1907           |                                           |        |        | HR1906 (Lo-16bits)                       |
| HR1908           | AOUT:mA Out Channel 4 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1909           |                                           |        |        | HR1908 (Lo-16bits)                       |
| HR1910           | AOUT:mA Out Channel 5 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1911           |                                           |        |        | HR1910 (Lo-16bits)                       |
| HR1912           | AOUT:mA Out Channel 5 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1913           |                                           |        |        | HR1912 (Lo-16bits)                       |
| HR1914           | AOUT:mA Out Channel 6 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1915           |                                           |        |        | HR1914 (Lo-16bits)                       |
| HR1916           | AOUT:mA Out Channel 6 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1917           |                                           |        |        | HR1916 (Lo-16bits)                       |
| HR1918           | AOUT:mA Out Channel 7 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1919           |                                           |        |        | HR1918 (Lo-16bits)                       |
| HR1920           | AOUT:mA Out Channel 7 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1921           |                                           |        |        | HR1920 (Lo-16bits)                       |
| HR1922           | AOUT:mA Out Channel 8 Input Magnitude now | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1923           |                                           |        |        | HR1922 (Lo-16bits)                       |
| HR1924           | AOUT:mA Out Channel 8 Outputs now         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1925           |                                           |        |        | HR1924 (Lo-16bits)                       |
| HR1926           | RTDIN:S1 Resistance                       | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |
| HR1927           |                                           |        |        | HR1926 (Lo-16bits)                       |
| HR1928           | RTDIN:S2 Resistance                       | R      | 2      | FLOAT [0...4000.000] (Hi-16bits)         |

| Holding Register | Parameter                       | Access | Length |                                  |
|------------------|---------------------------------|--------|--------|----------------------------------|
| HR1929           |                                 |        |        | HR1928 (Lo-16bits)               |
| HR1930           | RTDIN:S3 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1931           |                                 |        |        | HR1930 (Lo-16bits)               |
| HR1932           | RTDIN:S4 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1933           |                                 |        |        | HR1932 (Lo-16bits)               |
| HR1934           | RTDIN:S5 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1935           |                                 |        |        | HR1934 (Lo-16bits)               |
| HR1936           | RTDIN:S6 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1937           |                                 |        |        | HR1936 (Lo-16bits)               |
| HR1938           | RTDIN:S7 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1939           |                                 |        |        | HR1938 (Lo-16bits)               |
| HR1940           | RTDIN:S8 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1941           |                                 |        |        | HR1940 (Lo-16bits)               |
| HR1942           | RTDIN:S9 Resistance             | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1943           |                                 |        |        | HR1942 (Lo-16bits)               |
| HR1944           | RTDIN:S10 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1945           |                                 |        |        | HR1944 (Lo-16bits)               |
| HR1946           | RTDIN:S11 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1947           |                                 |        |        | HR1946 (Lo-16bits)               |
| HR1948           | RTDIN:S12 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1949           |                                 |        |        | HR1948 (Lo-16bits)               |
| HR1950           | RTDIN:S13 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1951           |                                 |        |        | HR1950 (Lo-16bits)               |
| HR1952           | RTDIN:S14 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1953           |                                 |        |        | HR1952 (Lo-16bits)               |
| HR1954           | RTDIN:S15 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1955           |                                 |        |        | HR1954 (Lo-16bits)               |
| HR1956           | RTDIN:S16 Resistance            | R      | 2      | FLOAT [0...4000.000] (Hi-16bits) |
| HR1957           |                                 |        |        | HR1956 (Lo-16bits)               |
| HR1958           | GSYN:Estimated BRK Closing time | R      | 2      | FLOAT [0...360] (Hi-16bits)      |

| Holding Register | Parameter                                         | Access | Length |                                                                   |
|------------------|---------------------------------------------------|--------|--------|-------------------------------------------------------------------|
| HR1959           |                                                   |        |        | HR1958 (Lo-16bits)                                                |
| HR1960           | GSYN:Networks rotating time                       | R      | 2      | FLOAT [0...360] (Hi-16bits)                                       |
| HR1961           |                                                   |        |        | HR1960 (Lo-16bits)                                                |
| HR1962           | GSYN:Networks placement atm                       | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                    |
| HR1963           |                                                   |        |        | HR1962 (Lo-16bits)                                                |
| HR1964           | SYN1:Estimated BRK Closing time                   | R      | 2      | FLOAT [0...360] (Hi-16bits)                                       |
| HR1965           |                                                   |        |        | HR1964 (Lo-16bits)                                                |
| HR1966           | SYN1:Networks rotating time                       | R      | 2      | FLOAT [0...360] (Hi-16bits)                                       |
| HR1967           |                                                   |        |        | HR1966 (Lo-16bits)                                                |
| HR1968           | SYN1:Networks placement atm                       | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                    |
| HR1969           |                                                   |        |        | HR1968 (Lo-16bits)                                                |
| HR1970           | PWR1:PQS>/< condition                             | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                               |
| HR1971           | PWR2:PQS>>/<< condition                           | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                               |
| HR1972           | PWR3:PQS>>>/<<< condition                         | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                               |
| HR1973           | PWR4:PQS>>>>/<<<< condition                       | R      | 1      | 0=Normal;1=Start; 2=Trip; 3=Blocked                               |
| HR1974           | FREQS:f atm. Display (when not measurable is 0Hz) | R      | 2      | FLOAT [0...75] (Hi-16bits)                                        |
| HR1975           |                                                   |        |        | HR1974 (Lo-16bits)                                                |
| HR1976           | NOC1: > Phases condition                          | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip C |
| HR1977           | NOC1: > Last fault end with                       | R      | 1      | 0=No Faults;1=Start;2=Trip                                        |
| HR1978           | NOC1: > Last fault type                           | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                   |
| HR1979           | NOC1: > Last fault IA current (pri)               | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1980           |                                                   |        |        | HR1979 (Lo-16bits)                                                |
| HR1981           | NOC1: > Last fault IB current (pri)               | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                   |
| HR1982           |                                                   |        |        | HR1981 (Lo-16bits)                                                |

| Holding Register | Parameter                                    | Access | Length |                                                                 |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR1983           | NOC1: Last fault IC current (pri)            | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR1984           |                                              |        |        | HR1983 (Lo-16bits)                                              |
| HR1985           | NOC1:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                    |
| HR1986           |                                              |        |        | HR1985 (Lo-16bits)                                              |
| HR1987           | NOC1:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                     |
| HR1988           | NOC1:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                    |
| HR1989           |                                              |        |        | HR1988 (Lo-16bits)                                              |
| HR1990           | NOC1:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR1991           | NOC1:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR1992           | NOC1:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR1993           | NOC1:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR1994           | NOC1:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR1995           |                                              |        |        | HR1994 (Lo-16bits)                                              |
| HR1996           | NOC1:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1997           |                                              |        |        | HR1996 (Lo-16bits)                                              |
| HR1998           | NOC1:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR1999           |                                              |        |        | HR1998 (Lo-16bits)                                              |
| HR2000           | NOC1:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2001           |                                              |        |        | HR2000 (Lo-16bits)                                              |
| HR2002           | NOC1:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR2003           | NOC1:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR2004           | NOC2: Phases condition                       | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR2005           | NOC2: Last fault end with                    | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR2006           | NOC2: Last fault type                        | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |
| HR2007           | NOC2: Last fault IA current (pri)            | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2008           |                                              |        |        | HR2007 (Lo-16bits)                                              |

| Holding Register | Parameter                                    | Access | Length |                                                                 |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2009           | NOC2: >> Last fault IB current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2010           |                                              |        |        | HR2009 (Lo-16bits)                                              |
| HR2011           | NOC2: >> Last fault IC current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2012           |                                              |        |        | HR2011 (Lo-16bits)                                              |
| HR2013           | NOC2:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                    |
| HR2014           |                                              |        |        | HR2013 (Lo-16bits)                                              |
| HR2015           | NOC2:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                     |
| HR2016           | NOC2:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                    |
| HR2017           |                                              |        |        | HR2016 (Lo-16bits)                                              |
| HR2018           | NOC2:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR2019           | NOC2:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR2020           | NOC2:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR2021           | NOC2:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR2022           | NOC2:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR2023           |                                              |        |        | HR2022 (Lo-16bits)                                              |
| HR2024           | NOC2:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2025           |                                              |        |        | HR2024 (Lo-16bits)                                              |
| HR2026           | NOC2:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2027           |                                              |        |        | HR2026 (Lo-16bits)                                              |
| HR2028           | NOC2:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2029           |                                              |        |        | HR2028 (Lo-16bits)                                              |
| HR2030           | NOC2:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR2031           | NOC2:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR2032           | NOC3: >>> Phases condition                   | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |
| HR2033           | NOC3: >>> Last fault end with                | R      | 1      | 0=No Faults;1=Start;2=Trip                                      |
| HR2034           | NOC3: >>> Last fault type                    | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C                 |

| Holding Register | Parameter                                    | Access | Length |                                                                 |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2035           | NOC3: >>> Last fault IA current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2036           |                                              |        |        | HR2035 (Lo-16bits)                                              |
| HR2037           | NOC3: >>> Last fault IB current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2038           |                                              |        |        | HR2037 (Lo-16bits)                                              |
| HR2039           | NOC3: >>> Last fault IC current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                 |
| HR2040           |                                              |        |        | HR2039 (Lo-16bits)                                              |
| HR2041           | NOC3:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                    |
| HR2042           |                                              |        |        | HR2041 (Lo-16bits)                                              |
| HR2043           | NOC3:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                     |
| HR2044           | NOC3:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                    |
| HR2045           |                                              |        |        | HR2044 (Lo-16bits)                                              |
| HR2046           | NOC3:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                     |
| HR2047           | NOC3:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                    |
| HR2048           | NOC3:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V     |
| HR2049           | NOC3:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                             |
| HR2050           | NOC3:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                                   |
| HR2051           |                                              |        |        | HR2050 (Lo-16bits)                                              |
| HR2052           | NOC3:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2053           |                                              |        |        | HR2052 (Lo-16bits)                                              |
| HR2054           | NOC3:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2055           |                                              |        |        | HR2054 (Lo-16bits)                                              |
| HR2056           | NOC3:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                     |
| HR2057           |                                              |        |        | HR2056 (Lo-16bits)                                              |
| HR2058           | NOC3:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=              |
| HR2059           | NOC3:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                         |
| HR2060           | NOC4: >>>> Phases condition                  | R      | 1      | 0=Normal;1=Start A;2=Start B;3=Start C;4=Trip A;5=Trip B;6=Trip |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2061           | NOC4: >>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2062           | NOC4: >>>> Last fault type                   | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C             |
| HR2063           | NOC4: >>>> Last fault IA current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2064           |                                              |        |        | HR2063 (Lo-16bits)                                          |
| HR2065           | NOC4: >>>> Last fault IB current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2066           |                                              |        |        | HR2065 (Lo-16bits)                                          |
| HR2067           | NOC4: >>>> Last fault IC current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2068           |                                              |        |        | HR2067 (Lo-16bits)                                          |
| HR2069           | NOC4:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2070           |                                              |        |        | HR2069 (Lo-16bits)                                          |
| HR2071           | NOC4:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2072           | NOC4:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2073           |                                              |        |        | HR2072 (Lo-16bits)                                          |
| HR2074           | NOC4:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2075           | NOC4:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2076           | NOC4:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2077           | NOC4:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2078           | NOC4:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2079           |                                              |        |        | HR2078 (Lo-16bits)                                          |
| HR2080           | NOC4:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2081           |                                              |        |        | HR2080 (Lo-16bits)                                          |
| HR2082           | NOC4:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2083           |                                              |        |        | HR2082 (Lo-16bits)                                          |
| HR2084           | NOC4:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2085           |                                              |        |        | HR2084 (Lo-16bits)                                          |
| HR2086           | NOC4:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |

| Holding Register | Parameter                               | Access | Length |                                                 |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------|
| HR2087           | NOC4:Write settings to selected SG      | RW     | 1      | 0=-;1=Write (autoreset)                         |
| HR2088           | DOC1:ldir> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2089           | DOC1:ldir> Last fault type              | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR2090           | DOC1:ldir> Last fault angle             | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR2091           |                                         |        |        | HR2090 (Lo-16bits)                              |
| HR2092           | DOC1:ldir> Last fault IA current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2093           |                                         |        |        | HR2092 (Lo-16bits)                              |
| HR2094           | DOC1:ldir> Last fault IB current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2095           |                                         |        |        | HR2094 (Lo-16bits)                              |
| HR2096           | DOC1:ldir> Last fault IC current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2097           |                                         |        |        | HR2096 (Lo-16bits)                              |
| HR2098           | DOC2:ldir>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2099           | DOC2:ldir>> Last fault type             | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR2100           | DOC2:ldir>> Last fault angle            | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR2101           |                                         |        |        | HR2100 (Lo-16bits)                              |
| HR2102           | DOC2:ldir>> Last fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2103           |                                         |        |        | HR2102 (Lo-16bits)                              |
| HR2104           | DOC2:ldir>> Last fault IB current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2105           |                                         |        |        | HR2104 (Lo-16bits)                              |
| HR2106           | DOC2:ldir>> Last fault IC current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2107           |                                         |        |        | HR2106 (Lo-16bits)                              |
| HR2108           | DOC3:ldir>>> Last fault end with        | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2109           | DOC3:ldir>>> Last fault type            | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR2110           | DOC3:ldir>>> Last fault angle           | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |



| Holding Register | Parameter                                    | Access | Length |                                                 |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------|
| HR2111           |                                              |        |        | HR2110 (Lo-16bits)                              |
| HR2112           | DOC3:Idir>>> Last fault IA current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2113           |                                              |        |        | HR2112 (Lo-16bits)                              |
| HR2114           | DOC3:Idir>>> Last fault IB current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2115           |                                              |        |        | HR2114 (Lo-16bits)                              |
| HR2116           | DOC3:Idir>>> Last fault IC current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2117           |                                              |        |        | HR2116 (Lo-16bits)                              |
| HR2118           | DOC4:Idir>>> Last fault end with             | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2119           | DOC4:Idir>>>> Last fault type                | R      | 1      | 0=-;1=A-G;2=B-G;3=A-B;4=C-G;5=A-C;6=B-C;7=A-B-C |
| HR2120           | DOC4:Idir>>>> Last fault angle               | R      | 2      | FLOAT [-360.00...360.00] (Hi-16bits)            |
| HR2121           |                                              |        |        | HR2120 (Lo-16bits)                              |
| HR2122           | DOC4:Idir>>>> Last fault IA current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2123           |                                              |        |        | HR2122 (Lo-16bits)                              |
| HR2124           | DOC4:Idir>>>> Last fault IB current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2125           |                                              |        |        | HR2124 (Lo-16bits)                              |
| HR2126           | DOC4:Idir>>>> Last fault IC current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2127           |                                              |        |        | HR2126 (Lo-16bits)                              |
| HR2128           | NEF1:I0> Last fault end with                 | R      | 1      | 0=No Faults;1=Start;2=Trip                      |
| HR2129           | NEF1:I0> Last fault I0 current (pri)         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2130           |                                              |        |        | HR2129 (Lo-16bits)                              |
| HR2131           | NEF1:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                    |
| HR2132           |                                              |        |        | HR2131 (Lo-16bits)                              |
| HR2133           | NEF1:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                     |
| HR2134           | NEF1:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                    |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2135           |                                              |        |        | HR2134 (Lo-16bits)                                          |
| HR2136           | NEF1:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2137           | NEF1:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2138           | NEF1:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2139           | NEF1:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2140           | NEF1:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2141           |                                              |        |        | HR2140 (Lo-16bits)                                          |
| HR2142           | NEF1:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2143           |                                              |        |        | HR2142 (Lo-16bits)                                          |
| HR2144           | NEF1:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2145           |                                              |        |        | HR2144 (Lo-16bits)                                          |
| HR2146           | NEF1:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2147           |                                              |        |        | HR2146 (Lo-16bits)                                          |
| HR2148           | NEF1:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2149           | NEF1:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2150           | NEF2:I0>> Last fault end with                | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2151           | NEF2:I0>> Last fault I0 current (pri)        | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2152           |                                              |        |        | HR2151 (Lo-16bits)                                          |
| HR2153           | NEF2:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2154           |                                              |        |        | HR2153 (Lo-16bits)                                          |
| HR2155           | NEF2:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2156           | NEF2:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2157           |                                              |        |        | HR2156 (Lo-16bits)                                          |
| HR2158           | NEF2:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2159           | NEF2:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2160           | NEF2:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2161           | NEF2:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2162           | NEF2:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2163           |                                              |        |        | HR2162 (Lo-16bits)                                          |
| HR2164           | NEF2:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2165           |                                              |        |        | HR2164 (Lo-16bits)                                          |
| HR2166           | NEF2:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2167           |                                              |        |        | HR2166 (Lo-16bits)                                          |
| HR2168           | NEF2:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2169           |                                              |        |        | HR2168 (Lo-16bits)                                          |
| HR2170           | NEF2:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2171           | NEF2:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2172           | NEF3:I0>>> Last fault end with               | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2173           | NEF3:I0>>> Last fault I0 current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2174           |                                              |        |        | HR2173 (Lo-16bits)                                          |
| HR2175           | NEF3:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2176           |                                              |        |        | HR2175 (Lo-16bits)                                          |
| HR2177           | NEF3:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2178           | NEF3:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2179           |                                              |        |        | HR2178 (Lo-16bits)                                          |
| HR2180           | NEF3:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2181           | NEF3:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2182           | NEF3:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2183           | NEF3:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2184           | NEF3:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2185           |                                              |        |        | HR2184 (Lo-16bits)                                          |
| HR2186           | NEF3:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2187           |                                              |        |        | HR2186 (Lo-16bits)                                          |
| HR2188           | NEF3:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2189           |                                              |        |        | HR2188 (Lo-16bits)                                          |
| HR2190           | NEF3:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2191           |                                              |        |        | HR2190 (Lo-16bits)                                          |
| HR2192           | NEF3:Select SG                               | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8=          |
| HR2193           | NEF3:Write settings to selected SG           | RW     | 1      | 0=-;1=Write (autoreset)                                     |
| HR2194           | NEF4:I0>>>> Last fault end with              | R      | 1      | 0=No Faults;1=Start;2=Trip                                  |
| HR2195           | NEF4:I0>>>> Last fault I0 current (pri)      | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                             |
| HR2196           |                                              |        |        | HR2195 (Lo-16bits)                                          |
| HR2197           | NEF4:Pick-up setting Iset                    | RW     | 2      | FLOAT [0.1...50] (Hi-16bits)                                |
| HR2198           |                                              |        |        | HR2197 (Lo-16bits)                                          |
| HR2199           | NEF4:Delay type                              | RW     | 1      | 0=DT;1=IDMT                                                 |
| HR2200           | NEF4:Definite (minimum) operating time delay | RW     | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2201           |                                              |        |        | HR2200 (Lo-16bits)                                          |
| HR2202           | NEF4:Delay curve series                      | RW     | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2203           | NEF4:Delay characteristics IEC               | RW     | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2204           | NEF4:Delay char. ANSI/IEEE                   | RW     | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2205           | NEF4:Non standard Delay char.                | RW     | 1      | 0=RI-type;1=RD-type                                         |
| HR2206           | NEF4:Time dial setting k                     | RW     | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2207           |                                              |        |        | HR2206 (Lo-16bits)                                          |
| HR2208           | NEF4:IDMT Const. A                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2209           |                                              |        |        | HR2208 (Lo-16bits)                                          |
| HR2210           | NEF4:IDMT Const. B                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2211           |                                              |        |        | HR2210 (Lo-16bits)                                          |
| HR2212           | NEF4:IDMT Const. C                           | RW     | 2      | FLOAT [0...250] (Hi-16bits)                                 |
| HR2213           |                                              |        |        | HR2212 (Lo-16bits)                                          |

| Holding Register | Parameter                                 | Access | Length |                                                    |
|------------------|-------------------------------------------|--------|--------|----------------------------------------------------|
| HR2214           | NEF4:Select SG                            | RW     | 1      | 0=SG1;1=SG2;2=SG3;3=SG4;4=SG5;5=SG6;6=SG7;7=SG8;8= |
| HR2215           | NEF4:Write settings to selected SG        | RW     | 1      | 0=-;1=Write (autoreset)                            |
| HR2216           | DEF1:I0dir> Last fault end with           | R      | 1      | 0=No Faults;1=Start;2=Trip                         |
| HR2217           | DEF1:I0dir> Last fault angle              | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR2218           |                                           |        |        | HR2217 (Lo-16bits)                                 |
| HR2219           | DEF1:I0dir> Last fault I0 current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                    |
| HR2220           |                                           |        |        | HR2219 (Lo-16bits)                                 |
| HR2221           | DEF1:I0dir> Last fault U0(%)              | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                    |
| HR2222           |                                           |        |        | HR2221 (Lo-16bits)                                 |
| HR2223           | DEF2:I0dir>> Last fault end with          | R      | 1      | 0=No Faults;1=Start;2=Trip                         |
| HR2224           | DEF2:I0dir>> Last fault angle             | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR2225           |                                           |        |        | HR2224 (Lo-16bits)                                 |
| HR2226           | DEF2:I0dir>> Last fault I0 current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                    |
| HR2227           |                                           |        |        | HR2226 (Lo-16bits)                                 |
| HR2228           | DEF2:I0dir>> Last fault U0(%)             | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                    |
| HR2229           |                                           |        |        | HR2228 (Lo-16bits)                                 |
| HR2230           | DEF3:I0dir>>> Last fault end with         | R      | 1      | 0=No Faults;1=Start;2=Trip                         |
| HR2231           | DEF3:I0dir>>> Last fault angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits)                     |
| HR2232           |                                           |        |        | HR2231 (Lo-16bits)                                 |
| HR2233           | DEF3:I0dir>>> Last fault I0 current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                    |
| HR2234           |                                           |        |        | HR2233 (Lo-16bits)                                 |
| HR2235           | DEF3:I0dir>>> Last fault U0(%)            | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                    |
| HR2236           |                                           |        |        | HR2235 (Lo-16bits)                                 |
| HR2237           | DEF4:I0dir>>>> Last fault end with        | R      | 1      | 0=No Faults;1=Start;2=Trip                         |

| Holding Register | Parameter                                  | Access | Length |                                                       |
|------------------|--------------------------------------------|--------|--------|-------------------------------------------------------|
| HR2238           | DEF4:I0dir>>>> Last fault angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR2239           |                                            |        |        | HR2238 (Lo-16bits)                                    |
| HR2240           | DEF4:I0dir>>>> Last fault I0 current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                       |
| HR2241           |                                            |        |        | HR2240 (Lo-16bits)                                    |
| HR2242           | DEF4:I0dir>>>> Last fault U0(%)            | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                       |
| HR2243           |                                            |        |        | HR2242 (Lo-16bits)                                    |
| HR2244           | RTDIN:S1 Sensor                            | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2245           | RTDIN:S2 Sensor                            | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2246           | RTDIN:S3 Sensor                            | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2247           | RTDIN:S4 Sensor                            | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2248           | RTDIN:S5 Sensor                            | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2249           | RTDIN:S6 Sensor                            | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2250           | RTDIN:S7 Sensor                            | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2251           | RTDIN:S8 Sensor                            | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2252           | RTDIN:S9 Sensor                            | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2253           | RTDIN:S10 Sensor                           | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2254           | RTDIN:S11 Sensor                           | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2255           | RTDIN:S12 Sensor                           | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2256           | RTDIN:S13 Sensor                           | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2257           | RTDIN:S14 Sensor                           | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2258           | RTDIN:S15 Sensor                           | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2259           | RTDIN:S16 Sensor                           | R      | 1      | 0=Invalid Open Circuit;1=OK;2=Invalid Shorted Circuit |
| HR2260           | RHC1:Counter is now                        | R      | 1      | 0=Idle;1=Counting                                     |
| HR2261           | RHC1:Running hours                         | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits)                   |
| HR2262           |                                            |        |        | HR2261 (Lo-16bits)                                    |
| HR2263           | MEAS2:MEAS2 IL ang. Ref                    | R      | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR2264           |                                            |        |        | HR2263 (Lo-16bits)                                    |
| HR2265           | IMERX:IL1 Resistive Current Pri.           | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)                  |

| Holding Register | Parameter                                 | Access | Length |                                      |
|------------------|-------------------------------------------|--------|--------|--------------------------------------|
| HR2266           |                                           |        |        | HR2265 (Lo-16bits)                   |
| HR2267           | IMERX:IL1 Reactive Current Pri.           | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2268           |                                           |        |        | HR2267 (Lo-16bits)                   |
| HR2269           | IMERX:IL2 Resistive Current Pri.          | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2270           |                                           |        |        | HR2269 (Lo-16bits)                   |
| HR2271           | IMERX:IL2 Reactive Current Pri.           | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2272           |                                           |        |        | HR2271 (Lo-16bits)                   |
| HR2273           | IMERX:IL3 Resistive Current Pri.          | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2274           |                                           |        |        | HR2273 (Lo-16bits)                   |
| HR2275           | IMERX:IL3 Reactive Current Pri.           | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2276           |                                           |        |        | HR2275 (Lo-16bits)                   |
| HR2277           | IMERX:Pos.seq. Resistive Current Pri.     | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2278           |                                           |        |        | HR2277 (Lo-16bits)                   |
| HR2279           | IMERX:Pos.Seq. Reactive Current Pri.      | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2280           |                                           |        |        | HR2279 (Lo-16bits)                   |
| HR2281           | IMERX:I01 Residual Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2282           |                                           |        |        | HR2281 (Lo-16bits)                   |
| HR2283           | IMERX:I01 Residual Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2284           |                                           |        |        | HR2283 (Lo-16bits)                   |
| HR2285           | IMERX:I02 Residual Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2286           |                                           |        |        | HR2285 (Lo-16bits)                   |
| HR2287           | IMERX:I02 Residual Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2288           |                                           |        |        | HR2287 (Lo-16bits)                   |
| HR2289           | IMERX:I01 Residual Resistive Current Sec. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |

| Holding Register | Parameter                                 | Access | Length |                                        |
|------------------|-------------------------------------------|--------|--------|----------------------------------------|
| HR2290           |                                           |        |        | HR2289 (Lo-16bits)                     |
| HR2291           | IMERX:I01 Residual Reactive Current Sec.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2292           |                                           |        |        | HR2291 (Lo-16bits)                     |
| HR2293           | IMERX:I02 Residual Resistive Current Sec. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2294           |                                           |        |        | HR2293 (Lo-16bits)                     |
| HR2295           | IMERX:I02 Residual Reactive Current Sec.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)   |
| HR2296           |                                           |        |        | HR2295 (Lo-16bits)                     |
| HR2297           | POW1:3PH PF                               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR2298           |                                           |        |        | HR2297 (Lo-16bits)                     |
| HR2299           | ROC1:ldrw> condition                      | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2300           | ROC1:ldrw> Current direction              | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2301           | ROC2:ldrw>> condition                     | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2302           | ROC2:ldrw>> Current direction             | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2303           | ROC3:ldrw>>> condition                    | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2304           | ROC3:ldrw>>> Current direction            | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2305           | ROC4:ldrw>>>> condition                   | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2306           | ROC4:ldrw>>>> Current direction           | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2307           | ROC5:ldrw>>>>> condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2308           | ROC5:ldrw>>>>> Current direction          | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2309           | ROC6:ldrw>>>>>> condition                 | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2310           | ROC6:ldrw>>>>>> Current direction         | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2311           | ROC7:ldrw>>>>>>> condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |
| HR2312           | ROC7:ldrw>>>>>>> Current direction        | R      | 1      | 0=Undefined;1=Forward;2=Reverse        |
| HR2313           | ROC8:ldrw>>>>>>>> condition               | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked      |



| Holding Register | Parameter                              | Access | Length |                                                                        |
|------------------|----------------------------------------|--------|--------|------------------------------------------------------------------------|
| HR2314           | ROC8:Idrw>>>>>>>><br>Current direction | R      | 1      | 0=Undefined;1=Forward;2=Reverse                                        |
| HR2315           | ROV1:Urw>/< condition                  | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                      |
| HR2316           | ROV2:Urw>>/<< condition                | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                      |
| HR2317           | ROV3:Urw>>>/<<< condition              | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                      |
| HR2318           | ROV4:Urw>>>>/<<<< condition            | R      | 1      | 0=Normal;1=Start;2=Trip;3=Blocked                                      |
| HR2319           | UCP1:IUC> condition                    | R      | 1      | 0=Normal;1=Blocked;2=Start On (Alarm);3=Start On (Alarm & Trip)        |
| HR2320           | TOLM1:TM> Setting alarm                | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0            |
| HR2321           | TOLM1:TM> Setting alarm                | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0          |
| HR2322           | TOLM1:TM> Setting alarm                | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override to 1.0 |
| HR2323           | TOLM1:TM> Setting alarm                | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k               |
| HR2324           | RTDIN:S1 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                    |
| HR2325           |                                        |        |        | HR2324 (Lo-16bits)                                                     |
| HR2326           | RTDIN:S2 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                    |
| HR2327           |                                        |        |        | HR2326 (Lo-16bits)                                                     |
| HR2328           | RTDIN:S3 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                    |
| HR2329           |                                        |        |        | HR2328 (Lo-16bits)                                                     |
| HR2330           | RTDIN:S4 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                    |
| HR2331           |                                        |        |        | HR2330 (Lo-16bits)                                                     |
| HR2332           | RTDIN:S5 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                    |
| HR2333           |                                        |        |        | HR2332 (Lo-16bits)                                                     |
| HR2334           | RTDIN:S6 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                    |
| HR2335           |                                        |        |        | HR2334 (Lo-16bits)                                                     |
| HR2336           | RTDIN:S7 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                    |
| HR2337           |                                        |        |        | HR2336 (Lo-16bits)                                                     |
| HR2338           | RTDIN:S8 Filtered measurement          | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits)                                    |

| Holding Register | Parameter                      | Access | Length |                                     |
|------------------|--------------------------------|--------|--------|-------------------------------------|
| HR2339           |                                |        |        | HR2338 (Lo-16bits)                  |
| HR2340           | RTDIN:S9 Filtered measurement  | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2341           |                                |        |        | HR2340 (Lo-16bits)                  |
| HR2342           | RTDIN:S10 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2343           |                                |        |        | HR2342 (Lo-16bits)                  |
| HR2344           | RTDIN:S11 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2345           |                                |        |        | HR2344 (Lo-16bits)                  |
| HR2346           | RTDIN:S12 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2347           |                                |        |        | HR2346 (Lo-16bits)                  |
| HR2348           | RTDIN:S13 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2349           |                                |        |        | HR2348 (Lo-16bits)                  |
| HR2350           | RTDIN:S14 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2351           |                                |        |        | HR2350 (Lo-16bits)                  |
| HR2352           | RTDIN:S15 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2353           |                                |        |        | HR2352 (Lo-16bits)                  |
| HR2354           | RTDIN:S16 Filtered measurement | R      | 2      | FLOAT [-200.0...2000.0] (Hi-16bits) |
| HR2355           |                                |        |        | HR2354 (Lo-16bits)                  |
| HR2356           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2357           |                                |        |        | HR2356 (Lo-16bits)                  |
| HR2358           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2359           |                                |        |        | HR2358 (Lo-16bits)                  |
| HR2360           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |
| HR2361           |                                |        |        | HR2360 (Lo-16bits)                  |
| HR2362           | VRG1:Target Voltage (UTGT)     | RW     | 2      | FLOAT [70...140] (Hi-16bits)        |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR2363           |                            |        |        | HR2362 (Lo-16bits)           |
| HR2364           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2365           |                            |        |        | HR2364 (Lo-16bits)           |
| HR2366           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2367           |                            |        |        | HR2366 (Lo-16bits)           |
| HR2368           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2369           |                            |        |        | HR2368 (Lo-16bits)           |
| HR2370           | VRG1:Target Voltage (UTGT) | RW     | 2      | FLOAT [70...140] (Hi-16bits) |
| HR2371           |                            |        |        | HR2370 (Lo-16bits)           |
| HR2372           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2373           |                            |        |        | HR2372 (Lo-16bits)           |
| HR2374           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2375           |                            |        |        | HR2374 (Lo-16bits)           |
| HR2376           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2377           |                            |        |        | HR2376 (Lo-16bits)           |
| HR2378           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2379           |                            |        |        | HR2378 (Lo-16bits)           |
| HR2380           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2381           |                            |        |        | HR2380 (Lo-16bits)           |
| HR2382           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2383           |                            |        |        | HR2382 (Lo-16bits)           |
| HR2384           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2385           |                            |        |        | HR2384 (Lo-16bits)           |
| HR2386           | VRG1:U> setting (+UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2387           |                            |        |        | HR2386 (Lo-16bits)           |
| HR2388           | VRG1:U< setting (-UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2389           |                            |        |        | HR2388 (Lo-16bits)           |
| HR2390           | VRG1:U< setting (-UTGT)    | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                              |
|------------------|--------------------------|--------|--------|------------------------------|
| HR2391           |                          |        |        | HR2390 (Lo-16bits)           |
| HR2392           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2393           |                          |        |        | HR2392 (Lo-16bits)           |
| HR2394           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2395           |                          |        |        | HR2394 (Lo-16bits)           |
| HR2396           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2397           |                          |        |        | HR2396 (Lo-16bits)           |
| HR2398           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2399           |                          |        |        | HR2398 (Lo-16bits)           |
| HR2400           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2401           |                          |        |        | HR2400 (Lo-16bits)           |
| HR2402           | VRG1:U< setting (-UTGT)  | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2403           |                          |        |        | HR2402 (Lo-16bits)           |
| HR2404           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2405           |                          |        |        | HR2404 (Lo-16bits)           |
| HR2406           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2407           |                          |        |        | HR2406 (Lo-16bits)           |
| HR2408           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2409           |                          |        |        | HR2408 (Lo-16bits)           |
| HR2410           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2411           |                          |        |        | HR2410 (Lo-16bits)           |
| HR2412           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2413           |                          |        |        | HR2412 (Lo-16bits)           |
| HR2414           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2415           |                          |        |        | HR2414 (Lo-16bits)           |
| HR2416           | VRG1:U>> setting (+UTGT) | RW     | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2417           |                          |        |        | HR2416 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                                                                 |
|------------------|------------------------------------------------|--------|--------|-----------------------------------------------------------------|
| HR2418           | VRG1:U>> setting (+UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2419           |                                                |        |        | HR2418 (Lo-16bits)                                              |
| HR2420           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2421           |                                                |        |        | HR2420 (Lo-16bits)                                              |
| HR2422           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2423           |                                                |        |        | HR2422 (Lo-16bits)                                              |
| HR2424           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2425           |                                                |        |        | HR2424 (Lo-16bits)                                              |
| HR2426           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2427           |                                                |        |        | HR2426 (Lo-16bits)                                              |
| HR2428           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2429           |                                                |        |        | HR2428 (Lo-16bits)                                              |
| HR2430           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2431           |                                                |        |        | HR2430 (Lo-16bits)                                              |
| HR2432           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2433           |                                                |        |        | HR2432 (Lo-16bits)                                              |
| HR2434           | VRG1:U<< setting (-UTGT)                       | RW     | 2      | FLOAT [0.1...30] (Hi-16bits)                                    |
| HR2435           |                                                |        |        | HR2434 (Lo-16bits)                                              |
| HR2436           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2437           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2438           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2439           | TOLT1:TT> Setting alarm                        | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2440           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=SF setting ok;1=Service factor set fault. Override to 1.0     |
| HR2441           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Ambient t setting ok;1=Ambient t set fault. Override to 1.0   |
| HR2442           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Nominal current calc ok;1=Nominal current set fault. Override |
| HR2443           | TOLF1:TF> Setting alarm                        | R      | 1      | 0=Ambient setting ok;1=Inconsistent setting of ambient k        |
| HR2444           | POW1:Apparent Energy (S) while Export (P) MVAh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |
| HR2445           |                                                |        |        | HR2444 (Lo-16bits)                                              |
| HR2446           | POW1:Apparent Energy (S) while Export (P) kVAh | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                    |

| Holding Register | Parameter                                                                 | Access | Length |                                              |
|------------------|---------------------------------------------------------------------------|--------|--------|----------------------------------------------|
| HR2447           |                                                                           |        |        | HR2446 (Lo-16bits)                           |
| HR2448           | POW1:Apparent Energy (S) while Import (P) MVAh                            | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2449           |                                                                           |        |        | HR2448 (Lo-16bits)                           |
| HR2450           | POW1:Apparent Energy (S) while Import (P) kVAh                            | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2451           |                                                                           |        |        | HR2450 (Lo-16bits)                           |
| HR2452           | POW1:Apparent Energy (S) Net                                              | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2453           |                                                                           |        |        | HR2452 (Lo-16bits)                           |
| HR2454           | POW1:Real Energy (P) Net                                                  | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2455           |                                                                           |        |        | HR2454 (Lo-16bits)                           |
| HR2456           | POW1:Reactive Energy (Q) Net                                              | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2457           |                                                                           |        |        | HR2456 (Lo-16bits)                           |
| HR2458           | POW1:Real Energy (P) Supply (Default supply direction towards busbar)     | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2459           |                                                                           |        |        | HR2458 (Lo-16bits)                           |
| HR2460           | POW1:Reactive Energy (Q) Supply (Default supply direction towards busbar) | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2461           |                                                                           |        |        | HR2460 (Lo-16bits)                           |
| HR2462           | POW1:Real Energy (P) Demand (Default demand direction from busbar)        | RW     | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2463           |                                                                           |        |        | HR2462 (Lo-16bits)                           |
| HR2464           | POW1:Reactive Energy (Q) Demand (Default demand direction from busbar)    | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2465           |                                                                           |        |        | HR2464 (Lo-16bits)                           |
| HR2466           | M1CT1:Phase CT primary                                                    | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)                |
| HR2467           |                                                                           |        |        | HR2466 (Lo-16bits)                           |
| HR2468           | M1CT1:Phase CT secondary                                                  | R(W)   | 2      | FLOAT [0.2...20] (Hi-16bits)                 |
| HR2469           |                                                                           |        |        | HR2468 (Lo-16bits)                           |
| HR2470           | M1CT2:I01 CT primary                                                      | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits)              |

| Holding Register | Parameter                    | Access | Length |                                 |
|------------------|------------------------------|--------|--------|---------------------------------|
| HR2471           |                              |        |        | HR2470 (Lo-16bits)              |
| HR2472           | M1CT2:I01 CT secondary       | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)    |
| HR2473           |                              |        |        | HR2472 (Lo-16bits)              |
| HR2474           | M1CT3:I02 CT primary         | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2475           |                              |        |        | HR2474 (Lo-16bits)              |
| HR2476           | M1CT3:I02 CT secondary       | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR2477           |                              |        |        | HR2476 (Lo-16bits)              |
| HR2478           | M2CT1:Phase CT primary       | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)   |
| HR2479           |                              |        |        | HR2478 (Lo-16bits)              |
| HR2480           | M2CT1:Phase CT secondary     | R(W)   | 2      | FLOAT [0.2...20] (Hi-16bits)    |
| HR2481           |                              |        |        | HR2480 (Lo-16bits)              |
| HR2482           | M2CT2:I"01 CT primary        | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2483           |                              |        |        | HR2482 (Lo-16bits)              |
| HR2484           | M2CT2:I"01 CT secondary      | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)    |
| HR2485           |                              |        |        | HR2484 (Lo-16bits)              |
| HR2486           | M2CT3:I"02 CT primary        | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR2487           |                              |        |        | HR2486 (Lo-16bits)              |
| HR2488           | M2CT3:I"02 CT secondary      | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR2489           |                              |        |        | HR2488 (Lo-16bits)              |
| HR2490           | M1VT1:VT primary             | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2491           |                              |        |        | HR2490 (Lo-16bits)              |
| HR2492           | M1VT1:VT secondary           | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR2493           |                              |        |        | HR2492 (Lo-16bits)              |
| HR2494           | M1VT1:U3 Res/SS VT primary   | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR2495           |                              |        |        | HR2494 (Lo-16bits)              |
| HR2496           | M1VT1:U3 Res/SS VT secondary | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR2497           |                              |        |        | HR2496 (Lo-16bits)              |
| HR2498           | M1VT1:U4 Res/SS VT primary   | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |

| Holding Register | Parameter                      | Access | Length |                                                   |
|------------------|--------------------------------|--------|--------|---------------------------------------------------|
| HR2499           |                                |        |        | HR2498 (Lo-16bits)                                |
| HR2500           | M1VT1:U4 Res/SS VT secondary   | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)                     |
| HR2501           |                                |        |        | HR2500 (Lo-16bits)                                |
| HR2502           | TOLT1:TT> Thermal cap used     | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2503           |                                |        |        | HR2502 (Lo-16bits)                                |
| HR2504           | TOLF1:TF> Thermal cap used     | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2505           |                                |        |        | HR2504 (Lo-16bits)                                |
| HR2506           | TOLM1:TM> Thermal cap used     | R      | 2      | FLOAT [0...500] (Hi-16bits)                       |
| HR2507           |                                |        |        | HR2506 (Lo-16bits)                                |
| HR2508           | GSYN:Magnitude side A          | R      | 2      | FLOAT [0.000...200.000] (Hi-16bits)               |
| HR2509           |                                |        |        | HR2508 (Lo-16bits)                                |
| HR2510           | GSYN:Magnitude side B          | R      | 2      | FLOAT [0.000...200.000] (Hi-16bits)               |
| HR2511           |                                |        |        | HR2510 (Lo-16bits)                                |
| HR2512           | GSYN:Frequency side A          | R      | 2      | FLOAT [0.000...75.000] (Hi-16bits)                |
| HR2513           |                                |        |        | HR2512 (Lo-16bits)                                |
| HR2514           | GSYN:Frequency side B          | R      | 2      | FLOAT [0.000...75.000] (Hi-16bits)                |
| HR2515           |                                |        |        | HR2514 (Lo-16bits)                                |
| HR2516           | GSYN:Synchronizing by          | RW     | 1      | 0=Autosynchronizer;1=Manual commands              |
| HR2517           | GSYN:Manual switching mode     | RW     | 1      | 0=Assisted synchroswitch;1=I know what I am doing |
| HR2518           | GSYN:Manual increase voltage   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2519           |                                |        |        | HR2518 (Lo-16bits)                                |
| HR2520           | GSYN:Manual decrease voltage   | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2521           |                                |        |        | HR2520 (Lo-16bits)                                |
| HR2522           | GSYN:Manual increase frequency | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR2523           |                                |        |        | HR2522 (Lo-16bits)                                |
| HR2524           | GSYN:Manual decrease frequency | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |



| Holding Register | Parameter                     | Access | Length |                                         |
|------------------|-------------------------------|--------|--------|-----------------------------------------|
| HR2525           |                               |        |        | HR2524 (Lo-16bits)                      |
| HR2526           | GSYN:Manual Close Breaker     | RW     | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR2527           |                               |        |        | HR2526 (Lo-16bits)                      |
| HR2528           | ARC1:I/O Arc> S1 Sensor fault | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2529           |                               |        |        | HR2528 (Lo-16bits)                      |
| HR2530           | ARC1:I/O Arc> S2 Sensor fault | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2531           |                               |        |        | HR2530 (Lo-16bits)                      |
| HR2532           | ARC1:I/O Arc> S3 Sensor fault | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2533           |                               |        |        | HR2532 (Lo-16bits)                      |
| HR2534           | ARC1:I/O Arc> S4 Sensor fault | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2535           |                               |        |        | HR2534 (Lo-16bits)                      |
| HR2536           | ARC1:I/O Arc> IO unit fault   | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2537           |                               |        |        | HR2536 (Lo-16bits)                      |
| HR2538           | DIGI:DI1 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2539           |                               |        |        | HR2538 (Lo-16bits)                      |
| HR2540           | DIGI:DI1 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2541           | DIGI:DI2 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2542           |                               |        |        | HR2541 (Lo-16bits)                      |
| HR2543           | DIGI:DI2 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2544           | DIGI:DI3 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2545           |                               |        |        | HR2544 (Lo-16bits)                      |
| HR2546           | DIGI:DI3 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2547           | DIGI:DI4 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2548           |                               |        |        | HR2547 (Lo-16bits)                      |
| HR2549           | DIGI:DI4 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |
| HR2550           | DIGI:DI5 Counter              | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR2551           |                               |        |        | HR2550 (Lo-16bits)                      |
| HR2552           | DIGI:DI5 Counter Clear        | RW     | 1      | 0=-;1=Clear                             |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2553           | DIGI:DI6 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2554           |                         |        |        | HR2553 (Lo-16bits)                  |
| HR2555           | DIGI:DI6 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2556           | DIGI:DI7 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2557           |                         |        |        | HR2556 (Lo-16bits)                  |
| HR2558           | DIGI:DI7 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2559           | DIGI:DI8 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2560           |                         |        |        | HR2559 (Lo-16bits)                  |
| HR2561           | DIGI:DI8 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2562           | DIGI:DI9 Counter        | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2563           |                         |        |        | HR2562 (Lo-16bits)                  |
| HR2564           | DIGI:DI9 Counter Clear  | RW     | 1      | 0=-;1=Clear                         |
| HR2565           | DIGI:DI10 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2566           |                         |        |        | HR2565 (Lo-16bits)                  |
| HR2567           | DIGI:DI10 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2568           | DIGI:DI11 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2569           |                         |        |        | HR2568 (Lo-16bits)                  |
| HR2570           | DIGI:DI11 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2571           | DIGI:DI12 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2572           |                         |        |        | HR2571 (Lo-16bits)                  |
| HR2573           | DIGI:DI12 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2574           | DIGI:DI13 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2575           |                         |        |        | HR2574 (Lo-16bits)                  |
| HR2576           | DIGI:DI13 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2577           | DIGI:DI14 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2578           |                         |        |        | HR2577 (Lo-16bits)                  |
| HR2579           | DIGI:DI14 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2580           | DIGI:DI15 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2581           |                         |        |        | HR2580 (Lo-16bits)                  |
| HR2582           | DIGI:DI15 Counter Clear | RW     | 1      | 0=-;1=Clear                         |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2583           | DIGI:DI16 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2584           |                         |        |        | HR2583 (Lo-16bits)                  |
| HR2585           | DIGI:DI16 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2586           | DIGI:DI17 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2587           |                         |        |        | HR2586 (Lo-16bits)                  |
| HR2588           | DIGI:DI17 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2589           | DIGI:DI18 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2590           |                         |        |        | HR2589 (Lo-16bits)                  |
| HR2591           | DIGI:DI18 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2592           | DIGI:DI19 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2593           |                         |        |        | HR2592 (Lo-16bits)                  |
| HR2594           | DIGI:DI19 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2595           | DIGI:DI20 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2596           |                         |        |        | HR2595 (Lo-16bits)                  |
| HR2597           | DIGI:DI20 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2598           | DIGI:DI21 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2599           |                         |        |        | HR2598 (Lo-16bits)                  |
| HR2600           | DIGI:DI21 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2601           | DIGI:DI22 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2602           |                         |        |        | HR2601 (Lo-16bits)                  |
| HR2603           | DIGI:DI22 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2604           | DIGI:DI23 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2605           |                         |        |        | HR2604 (Lo-16bits)                  |
| HR2606           | DIGI:DI23 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2607           | DIGI:DI24 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2608           |                         |        |        | HR2607 (Lo-16bits)                  |
| HR2609           | DIGI:DI24 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2610           | DIGI:DI25 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2611           |                         |        |        | HR2610 (Lo-16bits)                  |
| HR2612           | DIGI:DI25 Counter Clear | RW     | 1      | 0=-;1=Clear                         |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2613           | DIGI:DI26 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2614           |                         |        |        | HR2613 (Lo-16bits)                  |
| HR2615           | DIGI:DI26 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2616           | DIGI:DI27 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2617           |                         |        |        | HR2616 (Lo-16bits)                  |
| HR2618           | DIGI:DI27 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2619           | DIGI:DI28 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2620           |                         |        |        | HR2619 (Lo-16bits)                  |
| HR2621           | DIGI:DI28 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2622           | DIGI:DI29 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2623           |                         |        |        | HR2622 (Lo-16bits)                  |
| HR2624           | DIGI:DI29 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2625           | DIGI:DI30 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2626           |                         |        |        | HR2625 (Lo-16bits)                  |
| HR2627           | DIGI:DI30 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2628           | DIGI:DI31 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2629           |                         |        |        | HR2628 (Lo-16bits)                  |
| HR2630           | DIGI:DI31 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2631           | DIGI:DI32 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2632           |                         |        |        | HR2631 (Lo-16bits)                  |
| HR2633           | DIGI:DI32 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2634           | DIGI:DI33 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2635           |                         |        |        | HR2634 (Lo-16bits)                  |
| HR2636           | DIGI:DI33 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2637           | DIGI:DI34 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2638           |                         |        |        | HR2637 (Lo-16bits)                  |
| HR2639           | DIGI:DI34 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2640           | DIGI:DI35 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2641           |                         |        |        | HR2640 (Lo-16bits)                  |
| HR2642           | DIGI:DI35 Counter Clear | RW     | 1      | 0=-;1=Clear                         |

| Holding Register | Parameter               | Access | Length |                                     |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR2643           | DIGI:DI36 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2644           |                         |        |        | HR2643 (Lo-16bits)                  |
| HR2645           | DIGI:DI36 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2646           | DIGI:DI37 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2647           |                         |        |        | HR2646 (Lo-16bits)                  |
| HR2648           | DIGI:DI37 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2649           | DIGI:DI38 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2650           |                         |        |        | HR2649 (Lo-16bits)                  |
| HR2651           | DIGI:DI38 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2652           | DIGI:DI39 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2653           |                         |        |        | HR2652 (Lo-16bits)                  |
| HR2654           | DIGI:DI39 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2655           | DIGI:DI40 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2656           |                         |        |        | HR2655 (Lo-16bits)                  |
| HR2657           | DIGI:DI40 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2658           | DIGI:DI41 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2659           |                         |        |        | HR2658 (Lo-16bits)                  |
| HR2660           | DIGI:DI41 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2661           | DIGI:DI42 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2662           |                         |        |        | HR2661 (Lo-16bits)                  |
| HR2663           | DIGI:DI42 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2664           | DIGI:DI43 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2665           |                         |        |        | HR2664 (Lo-16bits)                  |
| HR2666           | DIGI:DI43 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2667           | DIGI:DI44 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2668           |                         |        |        | HR2667 (Lo-16bits)                  |
| HR2669           | DIGI:DI44 Counter Clear | RW     | 1      | 0=-;1=Clear                         |
| HR2670           | DIGI:DI45 Counter       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2671           |                         |        |        | HR2670 (Lo-16bits)                  |
| HR2672           | DIGI:DI45 Counter Clear | RW     | 1      | 0=-;1=Clear                         |

| Holding Register | Parameter                 | Access | Length |                                     |
|------------------|---------------------------|--------|--------|-------------------------------------|
| HR2673           | DIGI:DI46 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2674           |                           |        |        | HR2673 (Lo-16bits)                  |
| HR2675           | DIGI:DI46 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2676           | DIGI:DI47 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2677           |                           |        |        | HR2676 (Lo-16bits)                  |
| HR2678           | DIGI:DI47 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2679           | DIGI:DI48 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2680           |                           |        |        | HR2679 (Lo-16bits)                  |
| HR2681           | DIGI:DI48 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2682           | DIGI:DI49 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2683           |                           |        |        | HR2682 (Lo-16bits)                  |
| HR2684           | DIGI:DI49 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2685           | DIGI:DI50 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2686           |                           |        |        | HR2685 (Lo-16bits)                  |
| HR2687           | DIGI:DI50 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2688           | DIGI:DI51 Counter         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2689           |                           |        |        | HR2688 (Lo-16bits)                  |
| HR2690           | DIGI:DI51 Counter Clear   | RW     | 1      | 0=-;1=Clear                         |
| HR2691           | RHC1:Start count          | RW     | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR2692           |                           |        |        | HR2691 (Lo-16bits)                  |
| HR2693           | NOC1:Pick-up setting lset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2694           |                           |        |        | HR2693 (Lo-16bits)                  |
| HR2695           | NOC1:Pick-up setting lset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2696           |                           |        |        | HR2695 (Lo-16bits)                  |
| HR2697           | NOC1:Pick-up setting lset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2698           |                           |        |        | HR2697 (Lo-16bits)                  |
| HR2699           | NOC1:Pick-up setting lset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2700           |                           |        |        | HR2699 (Lo-16bits)                  |
| HR2701           | NOC1:Pick-up setting lset | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)        |
| HR2702           |                           |        |        | HR2701 (Lo-16bits)                  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2703           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2704           |                                              |        |        | HR2703 (Lo-16bits)           |
| HR2705           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2706           |                                              |        |        | HR2705 (Lo-16bits)           |
| HR2707           | NOC1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2708           |                                              |        |        | HR2707 (Lo-16bits)           |
| HR2709           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2710           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2711           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2712           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2713           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2714           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2715           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2716           | NOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2717           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2718           |                                              |        |        | HR2717 (Lo-16bits)           |
| HR2719           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2720           |                                              |        |        | HR2719 (Lo-16bits)           |
| HR2721           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2722           |                                              |        |        | HR2721 (Lo-16bits)           |
| HR2723           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2724           |                                              |        |        | HR2723 (Lo-16bits)           |
| HR2725           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2726           |                                              |        |        | HR2725 (Lo-16bits)           |
| HR2727           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2728           |                                              |        |        | HR2727 (Lo-16bits)           |
| HR2729           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2730           |                                              |        |        | HR2729 (Lo-16bits)                                          |
| HR2731           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2732           |                                              |        |        | HR2731 (Lo-16bits)                                          |
| HR2733           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2734           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2735           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2736           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2737           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2738           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2739           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2740           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2741           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2742           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2743           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2744           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2745           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2746           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2747           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2748           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2749           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2750           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2751           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2752           | NOC1:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |



| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR2753           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2754           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2755           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2756           | NOC1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2757           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2758           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2759           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2760           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2761           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2762           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2763           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2764           | NOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2765           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2766           |                               |        |        | HR2765 (Lo-16bits)                                          |
| HR2767           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2768           |                               |        |        | HR2767 (Lo-16bits)                                          |
| HR2769           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2770           |                               |        |        | HR2769 (Lo-16bits)                                          |
| HR2771           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2772           |                               |        |        | HR2771 (Lo-16bits)                                          |
| HR2773           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2774           |                               |        |        | HR2773 (Lo-16bits)                                          |
| HR2775           | NOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2776           |                               |        |        | HR2775 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR2777           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2778           |                          |        |        | HR2777 (Lo-16bits)            |
| HR2779           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2780           |                          |        |        | HR2779 (Lo-16bits)            |
| HR2781           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2782           |                          |        |        | HR2781 (Lo-16bits)            |
| HR2783           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2784           |                          |        |        | HR2783 (Lo-16bits)            |
| HR2785           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2786           |                          |        |        | HR2785 (Lo-16bits)            |
| HR2787           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2788           |                          |        |        | HR2787 (Lo-16bits)            |
| HR2789           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2790           |                          |        |        | HR2789 (Lo-16bits)            |
| HR2791           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2792           |                          |        |        | HR2791 (Lo-16bits)            |
| HR2793           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2794           |                          |        |        | HR2793 (Lo-16bits)            |
| HR2795           | NOC1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2796           |                          |        |        | HR2795 (Lo-16bits)            |
| HR2797           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2798           |                          |        |        | HR2797 (Lo-16bits)            |
| HR2799           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2800           |                          |        |        | HR2799 (Lo-16bits)            |
| HR2801           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2802           |                          |        |        | HR2801 (Lo-16bits)            |
| HR2803           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2804           |                          |        |        | HR2803 (Lo-16bits)            |
| HR2805           | NOC1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2806           |                          |        |        | HR2805 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR2807           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2808           |                                                    |        |        | HR2807 (Lo-16bits)          |
| HR2809           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2810           |                                                    |        |        | HR2809 (Lo-16bits)          |
| HR2811           | NOC1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2812           |                                                    |        |        | HR2811 (Lo-16bits)          |
| HR2813           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2814           |                                                    |        |        | HR2813 (Lo-16bits)          |
| HR2815           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2816           |                                                    |        |        | HR2815 (Lo-16bits)          |
| HR2817           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2818           |                                                    |        |        | HR2817 (Lo-16bits)          |
| HR2819           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2820           |                                                    |        |        | HR2819 (Lo-16bits)          |
| HR2821           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2822           |                                                    |        |        | HR2821 (Lo-16bits)          |
| HR2823           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2824           |                                                    |        |        | HR2823 (Lo-16bits)          |
| HR2825           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2826           |                                                    |        |        | HR2825 (Lo-16bits)          |
| HR2827           | NOC1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2828           |                                                    |        |        | HR2827 (Lo-16bits)          |
| HR2829           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2830           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2831           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2832           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR2833           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2834           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR2835           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR2836           | NOC1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR2837           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2838           |                                                    |        |        | HR2837 (Lo-16bits)           |
| HR2839           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2840           |                                                    |        |        | HR2839 (Lo-16bits)           |
| HR2841           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2842           |                                                    |        |        | HR2841 (Lo-16bits)           |
| HR2843           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2844           |                                                    |        |        | HR2843 (Lo-16bits)           |
| HR2845           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2846           |                                                    |        |        | HR2845 (Lo-16bits)           |
| HR2847           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2848           |                                                    |        |        | HR2847 (Lo-16bits)           |
| HR2849           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2850           |                                                    |        |        | HR2849 (Lo-16bits)           |
| HR2851           | NOC1:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2852           |                                                    |        |        | HR2851 (Lo-16bits)           |
| HR2853           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2854           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2855           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR2856           | NOC1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR2857           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2858           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2859           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2860           | NOC1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR2861           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2862           |                                            |        |        | HR2861 (Lo-16bits)          |
| HR2863           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2864           |                                            |        |        | HR2863 (Lo-16bits)          |
| HR2865           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2866           |                                            |        |        | HR2865 (Lo-16bits)          |
| HR2867           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2868           |                                            |        |        | HR2867 (Lo-16bits)          |
| HR2869           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2870           |                                            |        |        | HR2869 (Lo-16bits)          |
| HR2871           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2872           |                                            |        |        | HR2871 (Lo-16bits)          |
| HR2873           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2874           |                                            |        |        | HR2873 (Lo-16bits)          |
| HR2875           | NOC1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2876           |                                            |        |        | HR2875 (Lo-16bits)          |
| HR2877           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2878           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2879           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2880           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR2881           | NOC1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2882           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2883           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2884           | NOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR2885           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2886           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2887           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2888           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2889           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2890           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2891           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2892           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR2893           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2894           |                                                    |        |        | HR2893 (Lo-16bits)           |
| HR2895           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2896           |                                                    |        |        | HR2895 (Lo-16bits)           |
| HR2897           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2898           |                                                    |        |        | HR2897 (Lo-16bits)           |
| HR2899           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2900           |                                                    |        |        | HR2899 (Lo-16bits)           |
| HR2901           | NOC2:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2902           |                                                    |        |        | HR2901 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2903           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2904           |                                              |        |        | HR2903 (Lo-16bits)           |
| HR2905           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2906           |                                              |        |        | HR2905 (Lo-16bits)           |
| HR2907           | NOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2908           |                                              |        |        | HR2907 (Lo-16bits)           |
| HR2909           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2910           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2911           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2912           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2913           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2914           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2915           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2916           | NOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR2917           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2918           |                                              |        |        | HR2917 (Lo-16bits)           |
| HR2919           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2920           |                                              |        |        | HR2919 (Lo-16bits)           |
| HR2921           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2922           |                                              |        |        | HR2921 (Lo-16bits)           |
| HR2923           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2924           |                                              |        |        | HR2923 (Lo-16bits)           |
| HR2925           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2926           |                                              |        |        | HR2925 (Lo-16bits)           |
| HR2927           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2928           |                                              |        |        | HR2927 (Lo-16bits)           |
| HR2929           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR2930           |                                              |        |        | HR2929 (Lo-16bits)                                          |
| HR2931           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR2932           |                                              |        |        | HR2931 (Lo-16bits)                                          |
| HR2933           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2934           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2935           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2936           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2937           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2938           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2939           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2940           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR2941           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2942           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2943           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2944           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2945           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2946           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2947           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2948           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR2949           | NOC2:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2950           | NOC2:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2951           | NOC2:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2952           | NOC2:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |



| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR2953           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2954           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2955           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2956           | NOC2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR2957           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2958           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2959           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2960           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2961           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2962           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2963           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2964           | NOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR2965           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2966           |                               |        |        | HR2965 (Lo-16bits)                                          |
| HR2967           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2968           |                               |        |        | HR2967 (Lo-16bits)                                          |
| HR2969           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2970           |                               |        |        | HR2969 (Lo-16bits)                                          |
| HR2971           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2972           |                               |        |        | HR2971 (Lo-16bits)                                          |
| HR2973           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2974           |                               |        |        | HR2973 (Lo-16bits)                                          |
| HR2975           | NOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR2976           |                               |        |        | HR2975 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR2977           | NOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2978           |                          |        |        | HR2977 (Lo-16bits)            |
| HR2979           | NOC2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2980           |                          |        |        | HR2979 (Lo-16bits)            |
| HR2981           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2982           |                          |        |        | HR2981 (Lo-16bits)            |
| HR2983           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2984           |                          |        |        | HR2983 (Lo-16bits)            |
| HR2985           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2986           |                          |        |        | HR2985 (Lo-16bits)            |
| HR2987           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2988           |                          |        |        | HR2987 (Lo-16bits)            |
| HR2989           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2990           |                          |        |        | HR2989 (Lo-16bits)            |
| HR2991           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2992           |                          |        |        | HR2991 (Lo-16bits)            |
| HR2993           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2994           |                          |        |        | HR2993 (Lo-16bits)            |
| HR2995           | NOC2:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2996           |                          |        |        | HR2995 (Lo-16bits)            |
| HR2997           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2998           |                          |        |        | HR2997 (Lo-16bits)            |
| HR2999           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3000           |                          |        |        | HR2999 (Lo-16bits)            |
| HR3001           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3002           |                          |        |        | HR3001 (Lo-16bits)            |
| HR3003           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3004           |                          |        |        | HR3003 (Lo-16bits)            |
| HR3005           | NOC2:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3006           |                          |        |        | HR3005 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3007           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3008           |                                                    |        |        | HR3007 (Lo-16bits)          |
| HR3009           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3010           |                                                    |        |        | HR3009 (Lo-16bits)          |
| HR3011           | NOC2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3012           |                                                    |        |        | HR3011 (Lo-16bits)          |
| HR3013           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3014           |                                                    |        |        | HR3013 (Lo-16bits)          |
| HR3015           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3016           |                                                    |        |        | HR3015 (Lo-16bits)          |
| HR3017           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3018           |                                                    |        |        | HR3017 (Lo-16bits)          |
| HR3019           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3020           |                                                    |        |        | HR3019 (Lo-16bits)          |
| HR3021           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3022           |                                                    |        |        | HR3021 (Lo-16bits)          |
| HR3023           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3024           |                                                    |        |        | HR3023 (Lo-16bits)          |
| HR3025           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3026           |                                                    |        |        | HR3025 (Lo-16bits)          |
| HR3027           | NOC2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3028           |                                                    |        |        | HR3027 (Lo-16bits)          |
| HR3029           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3030           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3031           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3032           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3033           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3034           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3035           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3036           | NOC2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3037           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3038           |                                                    |        |        | HR3037 (Lo-16bits)           |
| HR3039           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3040           |                                                    |        |        | HR3039 (Lo-16bits)           |
| HR3041           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3042           |                                                    |        |        | HR3041 (Lo-16bits)           |
| HR3043           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3044           |                                                    |        |        | HR3043 (Lo-16bits)           |
| HR3045           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3046           |                                                    |        |        | HR3045 (Lo-16bits)           |
| HR3047           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3048           |                                                    |        |        | HR3047 (Lo-16bits)           |
| HR3049           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3050           |                                                    |        |        | HR3049 (Lo-16bits)           |
| HR3051           | NOC2:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3052           |                                                    |        |        | HR3051 (Lo-16bits)           |
| HR3053           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3054           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3055           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3056           | NOC2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3057           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3058           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3059           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3060           | NOC2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3061           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3062           |                                            |        |        | HR3061 (Lo-16bits)          |
| HR3063           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3064           |                                            |        |        | HR3063 (Lo-16bits)          |
| HR3065           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3066           |                                            |        |        | HR3065 (Lo-16bits)          |
| HR3067           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3068           |                                            |        |        | HR3067 (Lo-16bits)          |
| HR3069           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3070           |                                            |        |        | HR3069 (Lo-16bits)          |
| HR3071           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3072           |                                            |        |        | HR3071 (Lo-16bits)          |
| HR3073           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3074           |                                            |        |        | HR3073 (Lo-16bits)          |
| HR3075           | NOC2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3076           |                                            |        |        | HR3075 (Lo-16bits)          |
| HR3077           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3078           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3079           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3080           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3081           | NOC2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3082           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3083           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3084           | NOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3085           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3086           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3087           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3088           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3089           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3090           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3091           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3092           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3093           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3094           |                                                    |        |        | HR3093 (Lo-16bits)           |
| HR3095           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3096           |                                                    |        |        | HR3095 (Lo-16bits)           |
| HR3097           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3098           |                                                    |        |        | HR3097 (Lo-16bits)           |
| HR3099           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3100           |                                                    |        |        | HR3099 (Lo-16bits)           |
| HR3101           | NOC3:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3102           |                                                    |        |        | HR3101 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3103           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3104           |                                              |        |        | HR3103 (Lo-16bits)           |
| HR3105           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3106           |                                              |        |        | HR3105 (Lo-16bits)           |
| HR3107           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3108           |                                              |        |        | HR3107 (Lo-16bits)           |
| HR3109           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3110           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3111           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3112           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3113           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3114           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3115           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3116           | NOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3117           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3118           |                                              |        |        | HR3117 (Lo-16bits)           |
| HR3119           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3120           |                                              |        |        | HR3119 (Lo-16bits)           |
| HR3121           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3122           |                                              |        |        | HR3121 (Lo-16bits)           |
| HR3123           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3124           |                                              |        |        | HR3123 (Lo-16bits)           |
| HR3125           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3126           |                                              |        |        | HR3125 (Lo-16bits)           |
| HR3127           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3128           |                                              |        |        | HR3127 (Lo-16bits)           |
| HR3129           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR3130           |                                              |        |        | HR3129 (Lo-16bits)                                          |
| HR3131           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR3132           |                                              |        |        | HR3131 (Lo-16bits)                                          |
| HR3133           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3134           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3135           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3136           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3137           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3138           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3139           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3140           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3141           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3142           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3143           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3144           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3145           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3146           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3147           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3148           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3149           | NOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3150           | NOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3151           | NOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3152           | NOC3:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |



| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3153           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3154           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3155           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3156           | NOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3157           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3158           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3159           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3160           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3161           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3162           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3163           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3164           | NOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3165           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3166           |                               |        |        | HR3165 (Lo-16bits)                                          |
| HR3167           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3168           |                               |        |        | HR3167 (Lo-16bits)                                          |
| HR3169           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3170           |                               |        |        | HR3169 (Lo-16bits)                                          |
| HR3171           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3172           |                               |        |        | HR3171 (Lo-16bits)                                          |
| HR3173           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3174           |                               |        |        | HR3173 (Lo-16bits)                                          |
| HR3175           | NOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3176           |                               |        |        | HR3175 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR3177           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3178           |                          |        |        | HR3177 (Lo-16bits)            |
| HR3179           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3180           |                          |        |        | HR3179 (Lo-16bits)            |
| HR3181           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3182           |                          |        |        | HR3181 (Lo-16bits)            |
| HR3183           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3184           |                          |        |        | HR3183 (Lo-16bits)            |
| HR3185           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3186           |                          |        |        | HR3185 (Lo-16bits)            |
| HR3187           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3188           |                          |        |        | HR3187 (Lo-16bits)            |
| HR3189           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3190           |                          |        |        | HR3189 (Lo-16bits)            |
| HR3191           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3192           |                          |        |        | HR3191 (Lo-16bits)            |
| HR3193           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3194           |                          |        |        | HR3193 (Lo-16bits)            |
| HR3195           | NOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3196           |                          |        |        | HR3195 (Lo-16bits)            |
| HR3197           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3198           |                          |        |        | HR3197 (Lo-16bits)            |
| HR3199           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3200           |                          |        |        | HR3199 (Lo-16bits)            |
| HR3201           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3202           |                          |        |        | HR3201 (Lo-16bits)            |
| HR3203           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3204           |                          |        |        | HR3203 (Lo-16bits)            |
| HR3205           | NOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3206           |                          |        |        | HR3205 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3207           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3208           |                                                    |        |        | HR3207 (Lo-16bits)          |
| HR3209           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3210           |                                                    |        |        | HR3209 (Lo-16bits)          |
| HR3211           | NOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3212           |                                                    |        |        | HR3211 (Lo-16bits)          |
| HR3213           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3214           |                                                    |        |        | HR3213 (Lo-16bits)          |
| HR3215           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3216           |                                                    |        |        | HR3215 (Lo-16bits)          |
| HR3217           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3218           |                                                    |        |        | HR3217 (Lo-16bits)          |
| HR3219           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3220           |                                                    |        |        | HR3219 (Lo-16bits)          |
| HR3221           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3222           |                                                    |        |        | HR3221 (Lo-16bits)          |
| HR3223           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3224           |                                                    |        |        | HR3223 (Lo-16bits)          |
| HR3225           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3226           |                                                    |        |        | HR3225 (Lo-16bits)          |
| HR3227           | NOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3228           |                                                    |        |        | HR3227 (Lo-16bits)          |
| HR3229           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3230           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3231           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3232           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3233           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3234           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3235           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3236           | NOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3237           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3238           |                                                    |        |        | HR3237 (Lo-16bits)           |
| HR3239           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3240           |                                                    |        |        | HR3239 (Lo-16bits)           |
| HR3241           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3242           |                                                    |        |        | HR3241 (Lo-16bits)           |
| HR3243           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3244           |                                                    |        |        | HR3243 (Lo-16bits)           |
| HR3245           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3246           |                                                    |        |        | HR3245 (Lo-16bits)           |
| HR3247           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3248           |                                                    |        |        | HR3247 (Lo-16bits)           |
| HR3249           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3250           |                                                    |        |        | HR3249 (Lo-16bits)           |
| HR3251           | NOC3:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3252           |                                                    |        |        | HR3251 (Lo-16bits)           |
| HR3253           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3254           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3255           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3256           | NOC3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3257           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3258           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3259           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3260           | NOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3261           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3262           |                                            |        |        | HR3261 (Lo-16bits)          |
| HR3263           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3264           |                                            |        |        | HR3263 (Lo-16bits)          |
| HR3265           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3266           |                                            |        |        | HR3265 (Lo-16bits)          |
| HR3267           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3268           |                                            |        |        | HR3267 (Lo-16bits)          |
| HR3269           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3270           |                                            |        |        | HR3269 (Lo-16bits)          |
| HR3271           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3272           |                                            |        |        | HR3271 (Lo-16bits)          |
| HR3273           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3274           |                                            |        |        | HR3273 (Lo-16bits)          |
| HR3275           | NOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3276           |                                            |        |        | HR3275 (Lo-16bits)          |
| HR3277           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3278           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3279           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3280           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3281           | NOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3282           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3283           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3284           | NOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                   |
| HR3285           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3286           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3287           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3288           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3289           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3290           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3291           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3292           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                   |
| HR3293           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3294           |                                                    |        |        | HR3293 (Lo-16bits)           |
| HR3295           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3296           |                                                    |        |        | HR3295 (Lo-16bits)           |
| HR3297           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3298           |                                                    |        |        | HR3297 (Lo-16bits)           |
| HR3299           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3300           |                                                    |        |        | HR3299 (Lo-16bits)           |
| HR3301           | NOC4:Pick-up setting Iset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3302           |                                                    |        |        | HR3301 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3303           | NOC4:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3304           |                                              |        |        | HR3303 (Lo-16bits)           |
| HR3305           | NOC4:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3306           |                                              |        |        | HR3305 (Lo-16bits)           |
| HR3307           | NOC4:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3308           |                                              |        |        | HR3307 (Lo-16bits)           |
| HR3309           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3310           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3311           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3312           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3313           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3314           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3315           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3316           | NOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3317           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3318           |                                              |        |        | HR3317 (Lo-16bits)           |
| HR3319           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3320           |                                              |        |        | HR3319 (Lo-16bits)           |
| HR3321           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3322           |                                              |        |        | HR3321 (Lo-16bits)           |
| HR3323           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3324           |                                              |        |        | HR3323 (Lo-16bits)           |
| HR3325           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3326           |                                              |        |        | HR3325 (Lo-16bits)           |
| HR3327           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3328           |                                              |        |        | HR3327 (Lo-16bits)           |
| HR3329           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR3330           |                                              |        |        | HR3329 (Lo-16bits)                                          |
| HR3331           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR3332           |                                              |        |        | HR3331 (Lo-16bits)                                          |
| HR3333           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3334           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3335           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3336           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3337           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3338           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3339           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3340           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3341           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3342           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3343           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3344           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3345           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3346           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3347           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3348           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3349           | NOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3350           | NOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3351           | NOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3352           | NOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |



| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR3353           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3354           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3355           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3356           | NOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3357           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3358           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3359           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3360           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3361           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3362           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3363           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3364           | NOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3365           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3366           |                               |        |        | HR3365 (Lo-16bits)                                          |
| HR3367           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3368           |                               |        |        | HR3367 (Lo-16bits)                                          |
| HR3369           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3370           |                               |        |        | HR3369 (Lo-16bits)                                          |
| HR3371           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3372           |                               |        |        | HR3371 (Lo-16bits)                                          |
| HR3373           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3374           |                               |        |        | HR3373 (Lo-16bits)                                          |
| HR3375           | NOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR3376           |                               |        |        | HR3375 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR3377           | NOC4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3378           |                          |        |        | HR3377 (Lo-16bits)            |
| HR3379           | NOC4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3380           |                          |        |        | HR3379 (Lo-16bits)            |
| HR3381           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3382           |                          |        |        | HR3381 (Lo-16bits)            |
| HR3383           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3384           |                          |        |        | HR3383 (Lo-16bits)            |
| HR3385           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3386           |                          |        |        | HR3385 (Lo-16bits)            |
| HR3387           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3388           |                          |        |        | HR3387 (Lo-16bits)            |
| HR3389           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3390           |                          |        |        | HR3389 (Lo-16bits)            |
| HR3391           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3392           |                          |        |        | HR3391 (Lo-16bits)            |
| HR3393           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3394           |                          |        |        | HR3393 (Lo-16bits)            |
| HR3395           | NOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3396           |                          |        |        | HR3395 (Lo-16bits)            |
| HR3397           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3398           |                          |        |        | HR3397 (Lo-16bits)            |
| HR3399           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3400           |                          |        |        | HR3399 (Lo-16bits)            |
| HR3401           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3402           |                          |        |        | HR3401 (Lo-16bits)            |
| HR3403           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3404           |                          |        |        | HR3403 (Lo-16bits)            |
| HR3405           | NOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3406           |                          |        |        | HR3405 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3407           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3408           |                                                    |        |        | HR3407 (Lo-16bits)          |
| HR3409           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3410           |                                                    |        |        | HR3409 (Lo-16bits)          |
| HR3411           | NOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3412           |                                                    |        |        | HR3411 (Lo-16bits)          |
| HR3413           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3414           |                                                    |        |        | HR3413 (Lo-16bits)          |
| HR3415           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3416           |                                                    |        |        | HR3415 (Lo-16bits)          |
| HR3417           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3418           |                                                    |        |        | HR3417 (Lo-16bits)          |
| HR3419           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3420           |                                                    |        |        | HR3419 (Lo-16bits)          |
| HR3421           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3422           |                                                    |        |        | HR3421 (Lo-16bits)          |
| HR3423           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3424           |                                                    |        |        | HR3423 (Lo-16bits)          |
| HR3425           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3426           |                                                    |        |        | HR3425 (Lo-16bits)          |
| HR3427           | NOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3428           |                                                    |        |        | HR3427 (Lo-16bits)          |
| HR3429           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3430           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3431           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3432           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR3433           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3434           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3435           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3436           | NOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR3437           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3438           |                                                    |        |        | HR3437 (Lo-16bits)           |
| HR3439           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3440           |                                                    |        |        | HR3439 (Lo-16bits)           |
| HR3441           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3442           |                                                    |        |        | HR3441 (Lo-16bits)           |
| HR3443           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3444           |                                                    |        |        | HR3443 (Lo-16bits)           |
| HR3445           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3446           |                                                    |        |        | HR3445 (Lo-16bits)           |
| HR3447           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3448           |                                                    |        |        | HR3447 (Lo-16bits)           |
| HR3449           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3450           |                                                    |        |        | HR3449 (Lo-16bits)           |
| HR3451           | NOC4:2.nd Harmonic Block Limit (Iharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3452           |                                                    |        |        | HR3451 (Lo-16bits)           |
| HR3453           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3454           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3455           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR3456           | NOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR3457           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3458           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3459           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3460           | NOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR3461           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3462           |                                            |        |        | HR3461 (Lo-16bits)          |
| HR3463           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3464           |                                            |        |        | HR3463 (Lo-16bits)          |
| HR3465           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3466           |                                            |        |        | HR3465 (Lo-16bits)          |
| HR3467           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3468           |                                            |        |        | HR3467 (Lo-16bits)          |
| HR3469           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3470           |                                            |        |        | HR3469 (Lo-16bits)          |
| HR3471           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3472           |                                            |        |        | HR3471 (Lo-16bits)          |
| HR3473           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3474           |                                            |        |        | HR3473 (Lo-16bits)          |
| HR3475           | NOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3476           |                                            |        |        | HR3475 (Lo-16bits)          |
| HR3477           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3478           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3479           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3480           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3481           | NOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR3482           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3483           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3484           | NOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR3485           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3486           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3487           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3488           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3489           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3490           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3491           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3492           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR3493           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3494           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3495           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3496           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3497           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR3498           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3499           | DOC1:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3500           | DOC1:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR3501           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3502           |                                  |        |        | HR3501 (Lo-16bits)             |
| HR3503           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3504           |                                  |        |        | HR3503 (Lo-16bits)             |
| HR3505           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3506           |                                  |        |        | HR3505 (Lo-16bits)             |
| HR3507           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3508           |                                  |        |        | HR3507 (Lo-16bits)             |
| HR3509           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3510           |                                  |        |        | HR3509 (Lo-16bits)             |
| HR3511           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3512           |                                  |        |        | HR3511 (Lo-16bits)             |
| HR3513           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3514           |                                  |        |        | HR3513 (Lo-16bits)             |
| HR3515           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3516           |                                  |        |        | HR3515 (Lo-16bits)             |
| HR3517           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3518           |                                  |        |        | HR3517 (Lo-16bits)             |
| HR3519           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3520           |                                  |        |        | HR3519 (Lo-16bits)             |
| HR3521           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3522           |                                  |        |        | HR3521 (Lo-16bits)             |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR3523           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3524           |                              |        |        | HR3523 (Lo-16bits)             |
| HR3525           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3526           |                              |        |        | HR3525 (Lo-16bits)             |
| HR3527           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3528           |                              |        |        | HR3527 (Lo-16bits)             |
| HR3529           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3530           |                              |        |        | HR3529 (Lo-16bits)             |
| HR3531           | DOC1:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3532           |                              |        |        | HR3531 (Lo-16bits)             |
| HR3533           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3534           |                              |        |        | HR3533 (Lo-16bits)             |
| HR3535           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3536           |                              |        |        | HR3535 (Lo-16bits)             |
| HR3537           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3538           |                              |        |        | HR3537 (Lo-16bits)             |
| HR3539           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3540           |                              |        |        | HR3539 (Lo-16bits)             |
| HR3541           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3542           |                              |        |        | HR3541 (Lo-16bits)             |
| HR3543           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3544           |                              |        |        | HR3543 (Lo-16bits)             |
| HR3545           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3546           |                              |        |        | HR3545 (Lo-16bits)             |
| HR3547           | DOC1:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3548           |                              |        |        | HR3547 (Lo-16bits)             |
| HR3549           | DOC1:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3550           | DOC1:Delay type              | R(W)   | 1      | 0=DT;1=IDMT                    |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3551           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3552           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3553           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3554           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3555           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3556           | DOC1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR3557           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3558           |                                              |        |        | HR3557 (Lo-16bits)           |
| HR3559           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3560           |                                              |        |        | HR3559 (Lo-16bits)           |
| HR3561           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3562           |                                              |        |        | HR3561 (Lo-16bits)           |
| HR3563           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3564           |                                              |        |        | HR3563 (Lo-16bits)           |
| HR3565           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3566           |                                              |        |        | HR3565 (Lo-16bits)           |
| HR3567           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3568           |                                              |        |        | HR3567 (Lo-16bits)           |
| HR3569           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3570           |                                              |        |        | HR3569 (Lo-16bits)           |
| HR3571           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3572           |                                              |        |        | HR3571 (Lo-16bits)           |
| HR3573           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3574           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3575           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3576           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3577           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3578           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3579           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3580           | DOC1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR3581           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3582           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3583           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3584           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3585           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3586           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3587           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3588           | DOC1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3589           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3590           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3591           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3592           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3593           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3594           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3595           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3596           | DOC1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3597           | DOC1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR3598           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3599           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3600           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3601           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3602           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3603           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3604           | DOC1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3605           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3606           |                               |        |        | HR3605 (Lo-16bits)            |
| HR3607           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3608           |                               |        |        | HR3607 (Lo-16bits)            |
| HR3609           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3610           |                               |        |        | HR3609 (Lo-16bits)            |
| HR3611           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3612           |                               |        |        | HR3611 (Lo-16bits)            |
| HR3613           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3614           |                               |        |        | HR3613 (Lo-16bits)            |
| HR3615           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3616           |                               |        |        | HR3615 (Lo-16bits)            |
| HR3617           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3618           |                               |        |        | HR3617 (Lo-16bits)            |
| HR3619           | DOC1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3620           |                               |        |        | HR3619 (Lo-16bits)            |
| HR3621           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3622           |                               |        |        | HR3621 (Lo-16bits)            |
| HR3623           | DOC1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3624           |                               |        |        | HR3623 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3625           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3626           |                    |        |        | HR3625 (Lo-16bits)          |
| HR3627           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3628           |                    |        |        | HR3627 (Lo-16bits)          |
| HR3629           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3630           |                    |        |        | HR3629 (Lo-16bits)          |
| HR3631           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3632           |                    |        |        | HR3631 (Lo-16bits)          |
| HR3633           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3634           |                    |        |        | HR3633 (Lo-16bits)          |
| HR3635           | DOC1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3636           |                    |        |        | HR3635 (Lo-16bits)          |
| HR3637           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3638           |                    |        |        | HR3637 (Lo-16bits)          |
| HR3639           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3640           |                    |        |        | HR3639 (Lo-16bits)          |
| HR3641           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3642           |                    |        |        | HR3641 (Lo-16bits)          |
| HR3643           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3644           |                    |        |        | HR3643 (Lo-16bits)          |
| HR3645           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3646           |                    |        |        | HR3645 (Lo-16bits)          |
| HR3647           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3648           |                    |        |        | HR3647 (Lo-16bits)          |
| HR3649           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3650           |                    |        |        | HR3649 (Lo-16bits)          |
| HR3651           | DOC1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3652           |                    |        |        | HR3651 (Lo-16bits)          |
| HR3653           | DOC1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3654           |                    |        |        | HR3653 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3655           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3656           |                                                                         |        |        | HR3655 (Lo-16bits)           |
| HR3657           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3658           |                                                                         |        |        | HR3657 (Lo-16bits)           |
| HR3659           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3660           |                                                                         |        |        | HR3659 (Lo-16bits)           |
| HR3661           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3662           |                                                                         |        |        | HR3661 (Lo-16bits)           |
| HR3663           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3664           |                                                                         |        |        | HR3663 (Lo-16bits)           |
| HR3665           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3666           |                                                                         |        |        | HR3665 (Lo-16bits)           |
| HR3667           | DOC1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3668           |                                                                         |        |        | HR3667 (Lo-16bits)           |
| HR3669           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3670           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3671           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3672           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3673           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3674           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3675           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3676           | DOC1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3677           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3678           |                                                                         |        |        | HR3677 (Lo-16bits)           |
| HR3679           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3680           |                                                                         |        |        | HR3679 (Lo-16bits)           |
| HR3681           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3682           |                                                                         |        |        | HR3681 (Lo-16bits)           |
| HR3683           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3684           |                                                                         |        |        | HR3683 (Lo-16bits)           |
| HR3685           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3686           |                                                                         |        |        | HR3685 (Lo-16bits)           |
| HR3687           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3688           |                                                                         |        |        | HR3687 (Lo-16bits)           |
| HR3689           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3690           |                                                                         |        |        | HR3689 (Lo-16bits)           |
| HR3691           | DOC1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3692           |                                                                         |        |        | HR3691 (Lo-16bits)           |
| HR3693           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3694           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3695           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3696           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3697           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3698           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3699           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3700           | DOC1:Delayed Pick-up release                                            | R(W)   | 1      | 0=No;1=Yes                   |
| HR3701           | DOC1:Release Time delay                                                 | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3702           |                                                                         |        |        | HR3701 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3703           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3704           |                                                    |        |        | HR3703 (Lo-16bits)          |
| HR3705           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3706           |                                                    |        |        | HR3705 (Lo-16bits)          |
| HR3707           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3708           |                                                    |        |        | HR3707 (Lo-16bits)          |
| HR3709           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3710           |                                                    |        |        | HR3709 (Lo-16bits)          |
| HR3711           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3712           |                                                    |        |        | HR3711 (Lo-16bits)          |
| HR3713           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3714           |                                                    |        |        | HR3713 (Lo-16bits)          |
| HR3715           | DOC1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3716           |                                                    |        |        | HR3715 (Lo-16bits)          |
| HR3717           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3718           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3719           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3720           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3721           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3722           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3723           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3724           | DOC1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3725           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3726           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3727           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3728           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3729           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3730           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3731           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3732           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3733           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3734           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3735           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3736           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3737           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3738           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3739           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3740           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3741           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3742           |                                                    |        |        | HR3741 (Lo-16bits)          |
| HR3743           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3744           |                                                    |        |        | HR3743 (Lo-16bits)          |
| HR3745           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |



| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3746           |                                  |        |        | HR3745 (Lo-16bits)             |
| HR3747           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3748           |                                  |        |        | HR3747 (Lo-16bits)             |
| HR3749           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3750           |                                  |        |        | HR3749 (Lo-16bits)             |
| HR3751           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3752           |                                  |        |        | HR3751 (Lo-16bits)             |
| HR3753           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3754           |                                  |        |        | HR3753 (Lo-16bits)             |
| HR3755           | DOC2:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3756           |                                  |        |        | HR3755 (Lo-16bits)             |
| HR3757           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3758           |                                  |        |        | HR3757 (Lo-16bits)             |
| HR3759           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3760           |                                  |        |        | HR3759 (Lo-16bits)             |
| HR3761           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3762           |                                  |        |        | HR3761 (Lo-16bits)             |
| HR3763           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3764           |                                  |        |        | HR3763 (Lo-16bits)             |
| HR3765           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3766           |                                  |        |        | HR3765 (Lo-16bits)             |
| HR3767           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3768           |                                  |        |        | HR3767 (Lo-16bits)             |
| HR3769           | DOC2:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR3770           |                                              |        |        | HR3769 (Lo-16bits)             |
| HR3771           | DOC2:Operating sector center                 | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3772           |                                              |        |        | HR3771 (Lo-16bits)             |
| HR3773           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3774           |                                              |        |        | HR3773 (Lo-16bits)             |
| HR3775           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3776           |                                              |        |        | HR3775 (Lo-16bits)             |
| HR3777           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3778           |                                              |        |        | HR3777 (Lo-16bits)             |
| HR3779           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3780           |                                              |        |        | HR3779 (Lo-16bits)             |
| HR3781           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3782           |                                              |        |        | HR3781 (Lo-16bits)             |
| HR3783           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3784           |                                              |        |        | HR3783 (Lo-16bits)             |
| HR3785           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3786           |                                              |        |        | HR3785 (Lo-16bits)             |
| HR3787           | DOC2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3788           |                                              |        |        | HR3787 (Lo-16bits)             |
| HR3789           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3790           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3791           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3792           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3793           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3794           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3795           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3796           | DOC2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                    |
| HR3797           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR3798           |                                              |        |        | HR3797 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3799           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3800           |                                              |        |        | HR3799 (Lo-16bits)           |
| HR3801           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3802           |                                              |        |        | HR3801 (Lo-16bits)           |
| HR3803           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3804           |                                              |        |        | HR3803 (Lo-16bits)           |
| HR3805           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3806           |                                              |        |        | HR3805 (Lo-16bits)           |
| HR3807           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3808           |                                              |        |        | HR3807 (Lo-16bits)           |
| HR3809           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3810           |                                              |        |        | HR3809 (Lo-16bits)           |
| HR3811           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3812           |                                              |        |        | HR3811 (Lo-16bits)           |
| HR3813           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3814           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3815           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3816           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3817           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3818           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3819           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3820           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR3821           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3822           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR3823           | DOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR3824           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3825           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3826           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3827           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3828           | DOC2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR3829           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3830           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3831           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3832           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3833           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3834           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3835           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3836           | DOC2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR3837           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3838           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3839           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3840           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3841           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3842           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR3843           | DOC2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR3844           | DOC2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR3845           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3846           |                               |        |        | HR3845 (Lo-16bits)            |
| HR3847           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3848           |                               |        |        | HR3847 (Lo-16bits)            |
| HR3849           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3850           |                               |        |        | HR3849 (Lo-16bits)            |
| HR3851           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3852           |                               |        |        | HR3851 (Lo-16bits)            |
| HR3853           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3854           |                               |        |        | HR3853 (Lo-16bits)            |
| HR3855           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3856           |                               |        |        | HR3855 (Lo-16bits)            |
| HR3857           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3858           |                               |        |        | HR3857 (Lo-16bits)            |
| HR3859           | DOC2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3860           |                               |        |        | HR3859 (Lo-16bits)            |
| HR3861           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3862           |                               |        |        | HR3861 (Lo-16bits)            |
| HR3863           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3864           |                               |        |        | HR3863 (Lo-16bits)            |
| HR3865           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3866           |                               |        |        | HR3865 (Lo-16bits)            |
| HR3867           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3868           |                               |        |        | HR3867 (Lo-16bits)            |
| HR3869           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3870           |                               |        |        | HR3869 (Lo-16bits)            |
| HR3871           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3872           |                               |        |        | HR3871 (Lo-16bits)            |
| HR3873           | DOC2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR3874           |                    |        |        | HR3873 (Lo-16bits)          |
| HR3875           | DOC2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3876           |                    |        |        | HR3875 (Lo-16bits)          |
| HR3877           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3878           |                    |        |        | HR3877 (Lo-16bits)          |
| HR3879           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3880           |                    |        |        | HR3879 (Lo-16bits)          |
| HR3881           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3882           |                    |        |        | HR3881 (Lo-16bits)          |
| HR3883           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3884           |                    |        |        | HR3883 (Lo-16bits)          |
| HR3885           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3886           |                    |        |        | HR3885 (Lo-16bits)          |
| HR3887           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3888           |                    |        |        | HR3887 (Lo-16bits)          |
| HR3889           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3890           |                    |        |        | HR3889 (Lo-16bits)          |
| HR3891           | DOC2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3892           |                    |        |        | HR3891 (Lo-16bits)          |
| HR3893           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3894           |                    |        |        | HR3893 (Lo-16bits)          |
| HR3895           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3896           |                    |        |        | HR3895 (Lo-16bits)          |
| HR3897           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3898           |                    |        |        | HR3897 (Lo-16bits)          |
| HR3899           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3900           |                    |        |        | HR3899 (Lo-16bits)          |
| HR3901           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3902           |                    |        |        | HR3901 (Lo-16bits)          |
| HR3903           | DOC2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3904           |                                                                         |        |        | HR3903 (Lo-16bits)           |
| HR3905           | DOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3906           |                                                                         |        |        | HR3905 (Lo-16bits)           |
| HR3907           | DOC2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3908           |                                                                         |        |        | HR3907 (Lo-16bits)           |
| HR3909           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3910           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3911           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3912           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3913           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3914           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3915           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3916           | DOC2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR3917           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3918           |                                                                         |        |        | HR3917 (Lo-16bits)           |
| HR3919           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3920           |                                                                         |        |        | HR3919 (Lo-16bits)           |
| HR3921           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3922           |                                                                         |        |        | HR3921 (Lo-16bits)           |
| HR3923           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3924           |                                                                         |        |        | HR3923 (Lo-16bits)           |
| HR3925           | DOC2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3926           |                                                                         |        |        | HR3925 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR3927           | DOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3928           |                                                |        |        | HR3927 (Lo-16bits)           |
| HR3929           | DOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3930           |                                                |        |        | HR3929 (Lo-16bits)           |
| HR3931           | DOC2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3932           |                                                |        |        | HR3931 (Lo-16bits)           |
| HR3933           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3934           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3935           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3936           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3937           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3938           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3939           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3940           | DOC2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR3941           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3942           |                                                |        |        | HR3941 (Lo-16bits)           |
| HR3943           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3944           |                                                |        |        | HR3943 (Lo-16bits)           |
| HR3945           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3946           |                                                |        |        | HR3945 (Lo-16bits)           |
| HR3947           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3948           |                                                |        |        | HR3947 (Lo-16bits)           |
| HR3949           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3950           |                                                |        |        | HR3949 (Lo-16bits)           |
| HR3951           | DOC2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |



| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3952           |                                                    |        |        | HR3951 (Lo-16bits)          |
| HR3953           | DOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3954           |                                                    |        |        | HR3953 (Lo-16bits)          |
| HR3955           | DOC2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3956           |                                                    |        |        | HR3955 (Lo-16bits)          |
| HR3957           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3958           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3959           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3960           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3961           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3962           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3963           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3964           | DOC2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR3965           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3966           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3967           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3968           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3969           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3970           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3971           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3972           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR3973           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3974           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3975           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3976           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3977           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3978           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3979           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3980           | DOC3:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir      |
| HR3981           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3982           |                                                    |        |        | HR3981 (Lo-16bits)          |
| HR3983           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3984           |                                                    |        |        | HR3983 (Lo-16bits)          |
| HR3985           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3986           |                                                    |        |        | HR3985 (Lo-16bits)          |
| HR3987           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3988           |                                                    |        |        | HR3987 (Lo-16bits)          |
| HR3989           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3990           |                                                    |        |        | HR3989 (Lo-16bits)          |
| HR3991           | DOC3:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3992           |                                  |        |        | HR3991 (Lo-16bits)             |
| HR3993           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3994           |                                  |        |        | HR3993 (Lo-16bits)             |
| HR3995           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3996           |                                  |        |        | HR3995 (Lo-16bits)             |
| HR3997           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3998           |                                  |        |        | HR3997 (Lo-16bits)             |
| HR3999           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4000           |                                  |        |        | HR3999 (Lo-16bits)             |
| HR4001           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4002           |                                  |        |        | HR4001 (Lo-16bits)             |
| HR4003           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4004           |                                  |        |        | HR4003 (Lo-16bits)             |
| HR4005           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4006           |                                  |        |        | HR4005 (Lo-16bits)             |
| HR4007           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4008           |                                  |        |        | HR4007 (Lo-16bits)             |
| HR4009           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4010           |                                  |        |        | HR4009 (Lo-16bits)             |
| HR4011           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4012           |                                  |        |        | HR4011 (Lo-16bits)             |
| HR4013           | DOC3:Pick-up setting Iset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4014           |                                  |        |        | HR4013 (Lo-16bits)             |
| HR4015           | DOC3:Pick-up setting Iset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4016           |                                  |        |        | HR4015 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4017           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4018           |                                              |        |        | HR4017 (Lo-16bits)           |
| HR4019           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4020           |                                              |        |        | HR4019 (Lo-16bits)           |
| HR4021           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4022           |                                              |        |        | HR4021 (Lo-16bits)           |
| HR4023           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4024           |                                              |        |        | HR4023 (Lo-16bits)           |
| HR4025           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4026           |                                              |        |        | HR4025 (Lo-16bits)           |
| HR4027           | DOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4028           |                                              |        |        | HR4027 (Lo-16bits)           |
| HR4029           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4030           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4031           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4032           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4033           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4034           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4035           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4036           | DOC3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4037           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4038           |                                              |        |        | HR4037 (Lo-16bits)           |
| HR4039           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4040           |                                              |        |        | HR4039 (Lo-16bits)           |
| HR4041           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4042           |                                              |        |        | HR4041 (Lo-16bits)           |
| HR4043           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4044           |                                              |        |        | HR4043 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4045           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4046           |                                              |        |        | HR4045 (Lo-16bits)           |
| HR4047           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4048           |                                              |        |        | HR4047 (Lo-16bits)           |
| HR4049           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4050           |                                              |        |        | HR4049 (Lo-16bits)           |
| HR4051           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4052           |                                              |        |        | HR4051 (Lo-16bits)           |
| HR4053           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4054           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4055           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4056           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4057           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4058           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4059           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4060           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR4061           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4062           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4063           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4064           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4065           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4066           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4067           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR4068           | DOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4069           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4070           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4071           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4072           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4073           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4074           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4075           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4076           | DOC3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4077           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4078           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4079           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4080           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4081           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4082           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4083           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4084           | DOC3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4085           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4086           |                               |        |        | HR4085 (Lo-16bits)                                          |
| HR4087           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4088           |                               |        |        | HR4087 (Lo-16bits)                                          |
| HR4089           | DOC3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4090           |                               |        |        | HR4089 (Lo-16bits)                                          |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR4091           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4092           |                          |        |        | HR4091 (Lo-16bits)            |
| HR4093           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4094           |                          |        |        | HR4093 (Lo-16bits)            |
| HR4095           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4096           |                          |        |        | HR4095 (Lo-16bits)            |
| HR4097           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4098           |                          |        |        | HR4097 (Lo-16bits)            |
| HR4099           | DOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4100           |                          |        |        | HR4099 (Lo-16bits)            |
| HR4101           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4102           |                          |        |        | HR4101 (Lo-16bits)            |
| HR4103           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4104           |                          |        |        | HR4103 (Lo-16bits)            |
| HR4105           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4106           |                          |        |        | HR4105 (Lo-16bits)            |
| HR4107           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4108           |                          |        |        | HR4107 (Lo-16bits)            |
| HR4109           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4110           |                          |        |        | HR4109 (Lo-16bits)            |
| HR4111           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4112           |                          |        |        | HR4111 (Lo-16bits)            |
| HR4113           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4114           |                          |        |        | HR4113 (Lo-16bits)            |
| HR4115           | DOC3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4116           |                          |        |        | HR4115 (Lo-16bits)            |
| HR4117           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4118           |                          |        |        | HR4117 (Lo-16bits)            |
| HR4119           | DOC3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4120           |                          |        |        | HR4119 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4121           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4122           |                                                    |        |        | HR4121 (Lo-16bits)          |
| HR4123           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4124           |                                                    |        |        | HR4123 (Lo-16bits)          |
| HR4125           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4126           |                                                    |        |        | HR4125 (Lo-16bits)          |
| HR4127           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4128           |                                                    |        |        | HR4127 (Lo-16bits)          |
| HR4129           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4130           |                                                    |        |        | HR4129 (Lo-16bits)          |
| HR4131           | DOC3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4132           |                                                    |        |        | HR4131 (Lo-16bits)          |
| HR4133           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4134           |                                                    |        |        | HR4133 (Lo-16bits)          |
| HR4135           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4136           |                                                    |        |        | HR4135 (Lo-16bits)          |
| HR4137           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4138           |                                                    |        |        | HR4137 (Lo-16bits)          |
| HR4139           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4140           |                                                    |        |        | HR4139 (Lo-16bits)          |
| HR4141           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4142           |                                                    |        |        | HR4141 (Lo-16bits)          |
| HR4143           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4144           |                                                    |        |        | HR4143 (Lo-16bits)          |
| HR4145           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4146           |                                                    |        |        | HR4145 (Lo-16bits)          |
| HR4147           | DOC3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4148           |                                                    |        |        | HR4147 (Lo-16bits)          |
| HR4149           | DOC3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4150           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4151           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4152           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4153           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4154           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4155           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4156           | DOC3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR4157           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4158           |                                                                         |        |        | HR4157 (Lo-16bits)           |
| HR4159           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4160           |                                                                         |        |        | HR4159 (Lo-16bits)           |
| HR4161           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4162           |                                                                         |        |        | HR4161 (Lo-16bits)           |
| HR4163           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4164           |                                                                         |        |        | HR4163 (Lo-16bits)           |
| HR4165           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4166           |                                                                         |        |        | HR4165 (Lo-16bits)           |
| HR4167           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4168           |                                                                         |        |        | HR4167 (Lo-16bits)           |
| HR4169           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4170           |                                                                         |        |        | HR4169 (Lo-16bits)           |
| HR4171           | DOC3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4172           |                                                                         |        |        | HR4171 (Lo-16bits)           |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4173           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4174           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4175           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4176           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4177           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4178           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4179           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4180           | DOC3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4181           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4182           |                                            |        |        | HR4181 (Lo-16bits)          |
| HR4183           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4184           |                                            |        |        | HR4183 (Lo-16bits)          |
| HR4185           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4186           |                                            |        |        | HR4185 (Lo-16bits)          |
| HR4187           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4188           |                                            |        |        | HR4187 (Lo-16bits)          |
| HR4189           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4190           |                                            |        |        | HR4189 (Lo-16bits)          |
| HR4191           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4192           |                                            |        |        | HR4191 (Lo-16bits)          |
| HR4193           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4194           |                                            |        |        | HR4193 (Lo-16bits)          |
| HR4195           | DOC3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4196           |                                            |        |        | HR4195 (Lo-16bits)          |
| HR4197           | DOC3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                        |
|------------------|----------------------------------------------------|--------|--------|------------------------|
| HR4198           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4199           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4200           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4201           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4202           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4203           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4204           | DOC3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes             |
| HR4205           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4206           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4207           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4208           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4209           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4210           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4211           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4212           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes             |
| HR4213           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |
| HR4214           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional;1=NonDir |

| Holding Register | Parameter                        | Access | Length |                                |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR4215           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4216           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4217           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4218           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4219           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4220           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional;1=NonDir         |
| HR4221           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4222           |                                  |        |        | HR4221 (Lo-16bits)             |
| HR4223           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4224           |                                  |        |        | HR4223 (Lo-16bits)             |
| HR4225           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4226           |                                  |        |        | HR4225 (Lo-16bits)             |
| HR4227           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4228           |                                  |        |        | HR4227 (Lo-16bits)             |
| HR4229           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4230           |                                  |        |        | HR4229 (Lo-16bits)             |
| HR4231           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4232           |                                  |        |        | HR4231 (Lo-16bits)             |
| HR4233           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4234           |                                  |        |        | HR4233 (Lo-16bits)             |
| HR4235           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4236           |                                  |        |        | HR4235 (Lo-16bits)             |
| HR4237           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR4238           |                              |        |        | HR4237 (Lo-16bits)             |
| HR4239           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4240           |                              |        |        | HR4239 (Lo-16bits)             |
| HR4241           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4242           |                              |        |        | HR4241 (Lo-16bits)             |
| HR4243           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4244           |                              |        |        | HR4243 (Lo-16bits)             |
| HR4245           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4246           |                              |        |        | HR4245 (Lo-16bits)             |
| HR4247           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4248           |                              |        |        | HR4247 (Lo-16bits)             |
| HR4249           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4250           |                              |        |        | HR4249 (Lo-16bits)             |
| HR4251           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4252           |                              |        |        | HR4251 (Lo-16bits)             |
| HR4253           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4254           |                              |        |        | HR4253 (Lo-16bits)             |
| HR4255           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4256           |                              |        |        | HR4255 (Lo-16bits)             |
| HR4257           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4258           |                              |        |        | HR4257 (Lo-16bits)             |
| HR4259           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4260           |                              |        |        | HR4259 (Lo-16bits)             |
| HR4261           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4262           |                              |        |        | HR4261 (Lo-16bits)             |
| HR4263           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4264           |                              |        |        | HR4263 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4265           | DOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4266           |                                              |        |        | HR4265 (Lo-16bits)           |
| HR4267           | DOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR4268           |                                              |        |        | HR4267 (Lo-16bits)           |
| HR4269           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4270           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4271           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4272           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4273           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4274           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4275           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4276           | DOC4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR4277           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4278           |                                              |        |        | HR4277 (Lo-16bits)           |
| HR4279           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4280           |                                              |        |        | HR4279 (Lo-16bits)           |
| HR4281           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4282           |                                              |        |        | HR4281 (Lo-16bits)           |
| HR4283           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4284           |                                              |        |        | HR4283 (Lo-16bits)           |
| HR4285           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4286           |                                              |        |        | HR4285 (Lo-16bits)           |
| HR4287           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4288           |                                              |        |        | HR4287 (Lo-16bits)           |
| HR4289           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4290           |                                              |        |        | HR4289 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR4291           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR4292           |                                              |        |        | HR4291 (Lo-16bits)                                          |
| HR4293           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4294           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4295           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4296           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4297           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4298           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4299           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4300           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4301           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4302           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4303           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4304           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4305           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4306           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4307           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4308           | DOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4309           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4310           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4311           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4312           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4313           | DOC4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4314           | DOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4315           | DOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4316           | DOC4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4317           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4318           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4319           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4320           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4321           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4322           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4323           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4324           | DOC4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4325           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4326           |                               |        |        | HR4325 (Lo-16bits)                                          |
| HR4327           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4328           |                               |        |        | HR4327 (Lo-16bits)                                          |
| HR4329           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4330           |                               |        |        | HR4329 (Lo-16bits)                                          |
| HR4331           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4332           |                               |        |        | HR4331 (Lo-16bits)                                          |
| HR4333           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4334           |                               |        |        | HR4333 (Lo-16bits)                                          |
| HR4335           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4336           |                               |        |        | HR4335 (Lo-16bits)                                          |
| HR4337           | DOC4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4338           |                               |        |        | HR4337 (Lo-16bits)                                          |



| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR4339           | DOC4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4340           |                          |        |        | HR4339 (Lo-16bits)            |
| HR4341           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4342           |                          |        |        | HR4341 (Lo-16bits)            |
| HR4343           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4344           |                          |        |        | HR4343 (Lo-16bits)            |
| HR4345           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4346           |                          |        |        | HR4345 (Lo-16bits)            |
| HR4347           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4348           |                          |        |        | HR4347 (Lo-16bits)            |
| HR4349           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4350           |                          |        |        | HR4349 (Lo-16bits)            |
| HR4351           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4352           |                          |        |        | HR4351 (Lo-16bits)            |
| HR4353           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4354           |                          |        |        | HR4353 (Lo-16bits)            |
| HR4355           | DOC4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4356           |                          |        |        | HR4355 (Lo-16bits)            |
| HR4357           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4358           |                          |        |        | HR4357 (Lo-16bits)            |
| HR4359           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4360           |                          |        |        | HR4359 (Lo-16bits)            |
| HR4361           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4362           |                          |        |        | HR4361 (Lo-16bits)            |
| HR4363           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4364           |                          |        |        | HR4363 (Lo-16bits)            |
| HR4365           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4366           |                          |        |        | HR4365 (Lo-16bits)            |
| HR4367           | DOC4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4368           |                          |        |        | HR4367 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4369           | DOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4370           |                                                    |        |        | HR4369 (Lo-16bits)          |
| HR4371           | DOC4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4372           |                                                    |        |        | HR4371 (Lo-16bits)          |
| HR4373           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4374           |                                                    |        |        | HR4373 (Lo-16bits)          |
| HR4375           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4376           |                                                    |        |        | HR4375 (Lo-16bits)          |
| HR4377           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4378           |                                                    |        |        | HR4377 (Lo-16bits)          |
| HR4379           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4380           |                                                    |        |        | HR4379 (Lo-16bits)          |
| HR4381           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4382           |                                                    |        |        | HR4381 (Lo-16bits)          |
| HR4383           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4384           |                                                    |        |        | HR4383 (Lo-16bits)          |
| HR4385           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4386           |                                                    |        |        | HR4385 (Lo-16bits)          |
| HR4387           | DOC4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4388           |                                                    |        |        | HR4387 (Lo-16bits)          |
| HR4389           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4390           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4391           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4392           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4393           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4394           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4395           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4396           | DOC4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4397           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4398           |                                                    |        |        | HR4397 (Lo-16bits)           |
| HR4399           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4400           |                                                    |        |        | HR4399 (Lo-16bits)           |
| HR4401           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4402           |                                                    |        |        | HR4401 (Lo-16bits)           |
| HR4403           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4404           |                                                    |        |        | HR4403 (Lo-16bits)           |
| HR4405           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4406           |                                                    |        |        | HR4405 (Lo-16bits)           |
| HR4407           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4408           |                                                    |        |        | HR4407 (Lo-16bits)           |
| HR4409           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4410           |                                                    |        |        | HR4409 (Lo-16bits)           |
| HR4411           | DOC4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4412           |                                                    |        |        | HR4411 (Lo-16bits)           |
| HR4413           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4414           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4415           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4416           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4417           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4418           | DOC4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4419           | DOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4420           | DOC4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4421           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4422           |                                            |        |        | HR4421 (Lo-16bits)          |
| HR4423           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4424           |                                            |        |        | HR4423 (Lo-16bits)          |
| HR4425           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4426           |                                            |        |        | HR4425 (Lo-16bits)          |
| HR4427           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4428           |                                            |        |        | HR4427 (Lo-16bits)          |
| HR4429           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4430           |                                            |        |        | HR4429 (Lo-16bits)          |
| HR4431           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4432           |                                            |        |        | HR4431 (Lo-16bits)          |
| HR4433           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4434           |                                            |        |        | HR4433 (Lo-16bits)          |
| HR4435           | DOC4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4436           |                                            |        |        | HR4435 (Lo-16bits)          |
| HR4437           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4438           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4439           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4440           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4441           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4442           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4443           | DOC4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4444           | DOC4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR4445           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4446           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4447           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4448           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4449           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4450           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4451           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4452           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4453           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4454           |                                                    |        |        | HR4453 (Lo-16bits)              |
| HR4455           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4456           |                                                    |        |        | HR4455 (Lo-16bits)              |
| HR4457           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4458           |                                                    |        |        | HR4457 (Lo-16bits)              |
| HR4459           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4460           |                                                    |        |        | HR4459 (Lo-16bits)              |
| HR4461           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4462           |                                                    |        |        | HR4461 (Lo-16bits)              |
| HR4463           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4464           |                                                    |        |        | HR4463 (Lo-16bits)              |
| HR4465           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4466           |                                              |        |        | HR4465 (Lo-16bits)              |
| HR4467           | NEF1:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4468           |                                              |        |        | HR4467 (Lo-16bits)              |
| HR4469           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4470           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4471           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4472           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4473           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4474           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4475           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4476           | NEF1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4477           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4478           |                                              |        |        | HR4477 (Lo-16bits)              |
| HR4479           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4480           |                                              |        |        | HR4479 (Lo-16bits)              |
| HR4481           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4482           |                                              |        |        | HR4481 (Lo-16bits)              |
| HR4483           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4484           |                                              |        |        | HR4483 (Lo-16bits)              |
| HR4485           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4486           |                                              |        |        | HR4485 (Lo-16bits)              |
| HR4487           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4488           |                                              |        |        | HR4487 (Lo-16bits)              |
| HR4489           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4490           |                                              |        |        | HR4489 (Lo-16bits)              |
| HR4491           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4492           |                                |        |        | HR4491 (Lo-16bits)                                          |
| HR4493           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4494           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4495           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4496           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4497           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4498           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4499           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4500           | NEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4501           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4502           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4503           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4504           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4505           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4506           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4507           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4508           | NEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4509           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4510           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4511           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4512           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4513           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4514           | NEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4515           | NEF1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4516           | NEF1:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4517           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4518           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4519           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4520           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4521           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4522           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4523           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4524           | NEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4525           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4526           |                               |        |        | HR4525 (Lo-16bits)                                          |
| HR4527           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4528           |                               |        |        | HR4527 (Lo-16bits)                                          |
| HR4529           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4530           |                               |        |        | HR4529 (Lo-16bits)                                          |
| HR4531           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4532           |                               |        |        | HR4531 (Lo-16bits)                                          |
| HR4533           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4534           |                               |        |        | HR4533 (Lo-16bits)                                          |
| HR4535           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4536           |                               |        |        | HR4535 (Lo-16bits)                                          |
| HR4537           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4538           |                               |        |        | HR4537 (Lo-16bits)                                          |
| HR4539           | NEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |



| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4540           |                    |        |        | HR4539 (Lo-16bits)          |
| HR4541           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4542           |                    |        |        | HR4541 (Lo-16bits)          |
| HR4543           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4544           |                    |        |        | HR4543 (Lo-16bits)          |
| HR4545           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4546           |                    |        |        | HR4545 (Lo-16bits)          |
| HR4547           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4548           |                    |        |        | HR4547 (Lo-16bits)          |
| HR4549           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4550           |                    |        |        | HR4549 (Lo-16bits)          |
| HR4551           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4552           |                    |        |        | HR4551 (Lo-16bits)          |
| HR4553           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4554           |                    |        |        | HR4553 (Lo-16bits)          |
| HR4555           | NEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4556           |                    |        |        | HR4555 (Lo-16bits)          |
| HR4557           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4558           |                    |        |        | HR4557 (Lo-16bits)          |
| HR4559           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4560           |                    |        |        | HR4559 (Lo-16bits)          |
| HR4561           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4562           |                    |        |        | HR4561 (Lo-16bits)          |
| HR4563           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4564           |                    |        |        | HR4563 (Lo-16bits)          |
| HR4565           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4566           |                    |        |        | HR4565 (Lo-16bits)          |
| HR4567           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4568           |                    |        |        | HR4567 (Lo-16bits)          |
| HR4569           | NEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4570           |                                                    |        |        | HR4569 (Lo-16bits)          |
| HR4571           | NEF1:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4572           |                                                    |        |        | HR4571 (Lo-16bits)          |
| HR4573           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4574           |                                                    |        |        | HR4573 (Lo-16bits)          |
| HR4575           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4576           |                                                    |        |        | HR4575 (Lo-16bits)          |
| HR4577           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4578           |                                                    |        |        | HR4577 (Lo-16bits)          |
| HR4579           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4580           |                                                    |        |        | HR4579 (Lo-16bits)          |
| HR4581           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4582           |                                                    |        |        | HR4581 (Lo-16bits)          |
| HR4583           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4584           |                                                    |        |        | HR4583 (Lo-16bits)          |
| HR4585           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4586           |                                                    |        |        | HR4585 (Lo-16bits)          |
| HR4587           | NEF1:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4588           |                                                    |        |        | HR4587 (Lo-16bits)          |
| HR4589           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4590           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4591           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4592           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4593           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4594           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4595           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4596           | NEF1:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4597           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4598           |                                                    |        |        | HR4597 (Lo-16bits)           |
| HR4599           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4600           |                                                    |        |        | HR4599 (Lo-16bits)           |
| HR4601           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4602           |                                                    |        |        | HR4601 (Lo-16bits)           |
| HR4603           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4604           |                                                    |        |        | HR4603 (Lo-16bits)           |
| HR4605           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4606           |                                                    |        |        | HR4605 (Lo-16bits)           |
| HR4607           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4608           |                                                    |        |        | HR4607 (Lo-16bits)           |
| HR4609           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4610           |                                                    |        |        | HR4609 (Lo-16bits)           |
| HR4611           | NEF1:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4612           |                                                    |        |        | HR4611 (Lo-16bits)           |
| HR4613           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4614           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4615           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4616           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4617           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4618           | NEF1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4619           | NEF1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4620           | NEF1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4621           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4622           |                                            |        |        | HR4621 (Lo-16bits)          |
| HR4623           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4624           |                                            |        |        | HR4623 (Lo-16bits)          |
| HR4625           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4626           |                                            |        |        | HR4625 (Lo-16bits)          |
| HR4627           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4628           |                                            |        |        | HR4627 (Lo-16bits)          |
| HR4629           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4630           |                                            |        |        | HR4629 (Lo-16bits)          |
| HR4631           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4632           |                                            |        |        | HR4631 (Lo-16bits)          |
| HR4633           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4634           |                                            |        |        | HR4633 (Lo-16bits)          |
| HR4635           | NEF1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4636           |                                            |        |        | HR4635 (Lo-16bits)          |
| HR4637           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4638           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4639           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4640           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4641           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4642           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4643           | NEF1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4644           | NEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR4645           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4646           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4647           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4648           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4649           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4650           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4651           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4652           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4653           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4654           |                                                    |        |        | HR4653 (Lo-16bits)              |
| HR4655           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4656           |                                                    |        |        | HR4655 (Lo-16bits)              |
| HR4657           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4658           |                                                    |        |        | HR4657 (Lo-16bits)              |
| HR4659           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4660           |                                                    |        |        | HR4659 (Lo-16bits)              |
| HR4661           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4662           |                                                    |        |        | HR4661 (Lo-16bits)              |
| HR4663           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4664           |                                                    |        |        | HR4663 (Lo-16bits)              |
| HR4665           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4666           |                                              |        |        | HR4665 (Lo-16bits)              |
| HR4667           | NEF2:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4668           |                                              |        |        | HR4667 (Lo-16bits)              |
| HR4669           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4670           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4671           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4672           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4673           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4674           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4675           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4676           | NEF2:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4677           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4678           |                                              |        |        | HR4677 (Lo-16bits)              |
| HR4679           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4680           |                                              |        |        | HR4679 (Lo-16bits)              |
| HR4681           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4682           |                                              |        |        | HR4681 (Lo-16bits)              |
| HR4683           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4684           |                                              |        |        | HR4683 (Lo-16bits)              |
| HR4685           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4686           |                                              |        |        | HR4685 (Lo-16bits)              |
| HR4687           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4688           |                                              |        |        | HR4687 (Lo-16bits)              |
| HR4689           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4690           |                                              |        |        | HR4689 (Lo-16bits)              |
| HR4691           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4692           |                                |        |        | HR4691 (Lo-16bits)                                          |
| HR4693           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4694           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4695           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4696           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4697           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4698           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4699           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4700           | NEF2:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4701           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4702           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4703           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4704           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4705           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4706           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4707           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4708           | NEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4709           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4710           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4711           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4712           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4713           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4714           | NEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4715           | NEF2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4716           | NEF2:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4717           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4718           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4719           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4720           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4721           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4722           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4723           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4724           | NEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4725           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4726           |                               |        |        | HR4725 (Lo-16bits)                                          |
| HR4727           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4728           |                               |        |        | HR4727 (Lo-16bits)                                          |
| HR4729           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4730           |                               |        |        | HR4729 (Lo-16bits)                                          |
| HR4731           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4732           |                               |        |        | HR4731 (Lo-16bits)                                          |
| HR4733           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4734           |                               |        |        | HR4733 (Lo-16bits)                                          |
| HR4735           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4736           |                               |        |        | HR4735 (Lo-16bits)                                          |
| HR4737           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4738           |                               |        |        | HR4737 (Lo-16bits)                                          |
| HR4739           | NEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |



| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4740           |                    |        |        | HR4739 (Lo-16bits)          |
| HR4741           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4742           |                    |        |        | HR4741 (Lo-16bits)          |
| HR4743           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4744           |                    |        |        | HR4743 (Lo-16bits)          |
| HR4745           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4746           |                    |        |        | HR4745 (Lo-16bits)          |
| HR4747           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4748           |                    |        |        | HR4747 (Lo-16bits)          |
| HR4749           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4750           |                    |        |        | HR4749 (Lo-16bits)          |
| HR4751           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4752           |                    |        |        | HR4751 (Lo-16bits)          |
| HR4753           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4754           |                    |        |        | HR4753 (Lo-16bits)          |
| HR4755           | NEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4756           |                    |        |        | HR4755 (Lo-16bits)          |
| HR4757           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4758           |                    |        |        | HR4757 (Lo-16bits)          |
| HR4759           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4760           |                    |        |        | HR4759 (Lo-16bits)          |
| HR4761           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4762           |                    |        |        | HR4761 (Lo-16bits)          |
| HR4763           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4764           |                    |        |        | HR4763 (Lo-16bits)          |
| HR4765           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4766           |                    |        |        | HR4765 (Lo-16bits)          |
| HR4767           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4768           |                    |        |        | HR4767 (Lo-16bits)          |
| HR4769           | NEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4770           |                                                    |        |        | HR4769 (Lo-16bits)          |
| HR4771           | NEF2:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4772           |                                                    |        |        | HR4771 (Lo-16bits)          |
| HR4773           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4774           |                                                    |        |        | HR4773 (Lo-16bits)          |
| HR4775           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4776           |                                                    |        |        | HR4775 (Lo-16bits)          |
| HR4777           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4778           |                                                    |        |        | HR4777 (Lo-16bits)          |
| HR4779           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4780           |                                                    |        |        | HR4779 (Lo-16bits)          |
| HR4781           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4782           |                                                    |        |        | HR4781 (Lo-16bits)          |
| HR4783           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4784           |                                                    |        |        | HR4783 (Lo-16bits)          |
| HR4785           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4786           |                                                    |        |        | HR4785 (Lo-16bits)          |
| HR4787           | NEF2:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4788           |                                                    |        |        | HR4787 (Lo-16bits)          |
| HR4789           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4790           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4791           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4792           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4793           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4794           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4795           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4796           | NEF2:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4797           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4798           |                                                    |        |        | HR4797 (Lo-16bits)           |
| HR4799           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4800           |                                                    |        |        | HR4799 (Lo-16bits)           |
| HR4801           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4802           |                                                    |        |        | HR4801 (Lo-16bits)           |
| HR4803           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4804           |                                                    |        |        | HR4803 (Lo-16bits)           |
| HR4805           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4806           |                                                    |        |        | HR4805 (Lo-16bits)           |
| HR4807           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4808           |                                                    |        |        | HR4807 (Lo-16bits)           |
| HR4809           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4810           |                                                    |        |        | HR4809 (Lo-16bits)           |
| HR4811           | NEF2:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4812           |                                                    |        |        | HR4811 (Lo-16bits)           |
| HR4813           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4814           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4815           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4816           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4817           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR4818           | NEF2:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR4819           | NEF2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4820           | NEF2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR4821           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4822           |                                            |        |        | HR4821 (Lo-16bits)          |
| HR4823           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4824           |                                            |        |        | HR4823 (Lo-16bits)          |
| HR4825           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4826           |                                            |        |        | HR4825 (Lo-16bits)          |
| HR4827           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4828           |                                            |        |        | HR4827 (Lo-16bits)          |
| HR4829           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4830           |                                            |        |        | HR4829 (Lo-16bits)          |
| HR4831           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4832           |                                            |        |        | HR4831 (Lo-16bits)          |
| HR4833           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4834           |                                            |        |        | HR4833 (Lo-16bits)          |
| HR4835           | NEF2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4836           |                                            |        |        | HR4835 (Lo-16bits)          |
| HR4837           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4838           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4839           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4840           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4841           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4842           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR4843           | NEF2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4844           | NEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR4845           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4846           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4847           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4848           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4849           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4850           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4851           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4852           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR4853           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4854           |                                                    |        |        | HR4853 (Lo-16bits)              |
| HR4855           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4856           |                                                    |        |        | HR4855 (Lo-16bits)              |
| HR4857           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4858           |                                                    |        |        | HR4857 (Lo-16bits)              |
| HR4859           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4860           |                                                    |        |        | HR4859 (Lo-16bits)              |
| HR4861           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4862           |                                                    |        |        | HR4861 (Lo-16bits)              |
| HR4863           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4864           |                                                    |        |        | HR4863 (Lo-16bits)              |
| HR4865           | NEF3:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4866           |                                              |        |        | HR4865 (Lo-16bits)              |
| HR4867           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4868           |                                              |        |        | HR4867 (Lo-16bits)              |
| HR4869           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4870           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4871           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4872           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4873           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4874           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4875           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4876           | NEF3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR4877           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4878           |                                              |        |        | HR4877 (Lo-16bits)              |
| HR4879           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4880           |                                              |        |        | HR4879 (Lo-16bits)              |
| HR4881           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4882           |                                              |        |        | HR4881 (Lo-16bits)              |
| HR4883           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4884           |                                              |        |        | HR4883 (Lo-16bits)              |
| HR4885           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4886           |                                              |        |        | HR4885 (Lo-16bits)              |
| HR4887           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4888           |                                              |        |        | HR4887 (Lo-16bits)              |
| HR4889           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4890           |                                              |        |        | HR4889 (Lo-16bits)              |
| HR4891           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR4892           |                                |        |        | HR4891 (Lo-16bits)                                          |
| HR4893           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4894           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4895           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4896           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4897           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4898           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4899           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4900           | NEF3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR4901           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4902           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4903           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4904           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4905           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4906           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4907           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4908           | NEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR4909           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4910           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4911           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4912           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4913           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4914           | NEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR4915           | NEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4916           | NEF3:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR4917           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4918           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4919           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4920           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4921           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4922           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4923           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4924           | NEF3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR4925           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4926           |                               |        |        | HR4925 (Lo-16bits)                                          |
| HR4927           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4928           |                               |        |        | HR4927 (Lo-16bits)                                          |
| HR4929           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4930           |                               |        |        | HR4929 (Lo-16bits)                                          |
| HR4931           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4932           |                               |        |        | HR4931 (Lo-16bits)                                          |
| HR4933           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4934           |                               |        |        | HR4933 (Lo-16bits)                                          |
| HR4935           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4936           |                               |        |        | HR4935 (Lo-16bits)                                          |
| HR4937           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR4938           |                               |        |        | HR4937 (Lo-16bits)                                          |
| HR4939           | NEF3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |



| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR4940           |                    |        |        | HR4939 (Lo-16bits)          |
| HR4941           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4942           |                    |        |        | HR4941 (Lo-16bits)          |
| HR4943           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4944           |                    |        |        | HR4943 (Lo-16bits)          |
| HR4945           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4946           |                    |        |        | HR4945 (Lo-16bits)          |
| HR4947           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4948           |                    |        |        | HR4947 (Lo-16bits)          |
| HR4949           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4950           |                    |        |        | HR4949 (Lo-16bits)          |
| HR4951           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4952           |                    |        |        | HR4951 (Lo-16bits)          |
| HR4953           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4954           |                    |        |        | HR4953 (Lo-16bits)          |
| HR4955           | NEF3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4956           |                    |        |        | HR4955 (Lo-16bits)          |
| HR4957           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4958           |                    |        |        | HR4957 (Lo-16bits)          |
| HR4959           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4960           |                    |        |        | HR4959 (Lo-16bits)          |
| HR4961           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4962           |                    |        |        | HR4961 (Lo-16bits)          |
| HR4963           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4964           |                    |        |        | HR4963 (Lo-16bits)          |
| HR4965           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4966           |                    |        |        | HR4965 (Lo-16bits)          |
| HR4967           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4968           |                    |        |        | HR4967 (Lo-16bits)          |
| HR4969           | NEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4970           |                                                    |        |        | HR4969 (Lo-16bits)          |
| HR4971           | NEF3:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4972           |                                                    |        |        | HR4971 (Lo-16bits)          |
| HR4973           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4974           |                                                    |        |        | HR4973 (Lo-16bits)          |
| HR4975           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4976           |                                                    |        |        | HR4975 (Lo-16bits)          |
| HR4977           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4978           |                                                    |        |        | HR4977 (Lo-16bits)          |
| HR4979           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4980           |                                                    |        |        | HR4979 (Lo-16bits)          |
| HR4981           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4982           |                                                    |        |        | HR4981 (Lo-16bits)          |
| HR4983           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4984           |                                                    |        |        | HR4983 (Lo-16bits)          |
| HR4985           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4986           |                                                    |        |        | HR4985 (Lo-16bits)          |
| HR4987           | NEF3:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4988           |                                                    |        |        | HR4987 (Lo-16bits)          |
| HR4989           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4990           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4991           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4992           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4993           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4994           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR4995           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4996           | NEF3:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR4997           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4998           |                                                    |        |        | HR4997 (Lo-16bits)           |
| HR4999           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5000           |                                                    |        |        | HR4999 (Lo-16bits)           |
| HR5001           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5002           |                                                    |        |        | HR5001 (Lo-16bits)           |
| HR5003           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5004           |                                                    |        |        | HR5003 (Lo-16bits)           |
| HR5005           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5006           |                                                    |        |        | HR5005 (Lo-16bits)           |
| HR5007           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5008           |                                                    |        |        | HR5007 (Lo-16bits)           |
| HR5009           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5010           |                                                    |        |        | HR5009 (Lo-16bits)           |
| HR5011           | NEF3:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5012           |                                                    |        |        | HR5011 (Lo-16bits)           |
| HR5013           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5014           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5015           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5016           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5017           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5018           | NEF3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR5019           | NEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5020           | NEF3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5021           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5022           |                                            |        |        | HR5021 (Lo-16bits)          |
| HR5023           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5024           |                                            |        |        | HR5023 (Lo-16bits)          |
| HR5025           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5026           |                                            |        |        | HR5025 (Lo-16bits)          |
| HR5027           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5028           |                                            |        |        | HR5027 (Lo-16bits)          |
| HR5029           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5030           |                                            |        |        | HR5029 (Lo-16bits)          |
| HR5031           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5032           |                                            |        |        | HR5031 (Lo-16bits)          |
| HR5033           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5034           |                                            |        |        | HR5033 (Lo-16bits)          |
| HR5035           | NEF3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5036           |                                            |        |        | HR5035 (Lo-16bits)          |
| HR5037           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5038           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5039           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5040           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5041           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5042           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5043           | NEF3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                 |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR5044           | NEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                      |
| HR5045           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5046           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5047           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5048           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5049           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5050           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5051           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5052           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                      |
| HR5053           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5054           |                                                    |        |        | HR5053 (Lo-16bits)              |
| HR5055           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5056           |                                                    |        |        | HR5055 (Lo-16bits)              |
| HR5057           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5058           |                                                    |        |        | HR5057 (Lo-16bits)              |
| HR5059           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5060           |                                                    |        |        | HR5059 (Lo-16bits)              |
| HR5061           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5062           |                                                    |        |        | HR5061 (Lo-16bits)              |
| HR5063           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5064           |                                                    |        |        | HR5063 (Lo-16bits)              |
| HR5065           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                 |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR5066           |                                              |        |        | HR5065 (Lo-16bits)              |
| HR5067           | NEF4:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR5068           |                                              |        |        | HR5067 (Lo-16bits)              |
| HR5069           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5070           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5071           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5072           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5073           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5074           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5075           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5076           | NEF4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                     |
| HR5077           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5078           |                                              |        |        | HR5077 (Lo-16bits)              |
| HR5079           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5080           |                                              |        |        | HR5079 (Lo-16bits)              |
| HR5081           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5082           |                                              |        |        | HR5081 (Lo-16bits)              |
| HR5083           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5084           |                                              |        |        | HR5083 (Lo-16bits)              |
| HR5085           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5086           |                                              |        |        | HR5085 (Lo-16bits)              |
| HR5087           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5088           |                                              |        |        | HR5087 (Lo-16bits)              |
| HR5089           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR5090           |                                              |        |        | HR5089 (Lo-16bits)              |
| HR5091           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5092           |                                |        |        | HR5091 (Lo-16bits)                                          |
| HR5093           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5094           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5095           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5096           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5097           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5098           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5099           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5100           | NEF4:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5101           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5102           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5103           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5104           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5105           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5106           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5107           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5108           | NEF4:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5109           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5110           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5111           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5112           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5113           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5114           | NEF4:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR5115           | NEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5116           | NEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5117           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5118           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5119           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5120           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5121           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5122           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5123           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5124           | NEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5125           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5126           |                               |        |        | HR5125 (Lo-16bits)                                          |
| HR5127           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5128           |                               |        |        | HR5127 (Lo-16bits)                                          |
| HR5129           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5130           |                               |        |        | HR5129 (Lo-16bits)                                          |
| HR5131           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5132           |                               |        |        | HR5131 (Lo-16bits)                                          |
| HR5133           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5134           |                               |        |        | HR5133 (Lo-16bits)                                          |
| HR5135           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5136           |                               |        |        | HR5135 (Lo-16bits)                                          |
| HR5137           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR5138           |                               |        |        | HR5137 (Lo-16bits)                                          |
| HR5139           | NEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |



| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5140           |                    |        |        | HR5139 (Lo-16bits)          |
| HR5141           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5142           |                    |        |        | HR5141 (Lo-16bits)          |
| HR5143           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5144           |                    |        |        | HR5143 (Lo-16bits)          |
| HR5145           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5146           |                    |        |        | HR5145 (Lo-16bits)          |
| HR5147           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5148           |                    |        |        | HR5147 (Lo-16bits)          |
| HR5149           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5150           |                    |        |        | HR5149 (Lo-16bits)          |
| HR5151           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5152           |                    |        |        | HR5151 (Lo-16bits)          |
| HR5153           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5154           |                    |        |        | HR5153 (Lo-16bits)          |
| HR5155           | NEF4:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5156           |                    |        |        | HR5155 (Lo-16bits)          |
| HR5157           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5158           |                    |        |        | HR5157 (Lo-16bits)          |
| HR5159           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5160           |                    |        |        | HR5159 (Lo-16bits)          |
| HR5161           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5162           |                    |        |        | HR5161 (Lo-16bits)          |
| HR5163           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5164           |                    |        |        | HR5163 (Lo-16bits)          |
| HR5165           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5166           |                    |        |        | HR5165 (Lo-16bits)          |
| HR5167           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5168           |                    |        |        | HR5167 (Lo-16bits)          |
| HR5169           | NEF4:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5170           |                                                    |        |        | HR5169 (Lo-16bits)          |
| HR5171           | NEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5172           |                                                    |        |        | HR5171 (Lo-16bits)          |
| HR5173           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5174           |                                                    |        |        | HR5173 (Lo-16bits)          |
| HR5175           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5176           |                                                    |        |        | HR5175 (Lo-16bits)          |
| HR5177           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5178           |                                                    |        |        | HR5177 (Lo-16bits)          |
| HR5179           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5180           |                                                    |        |        | HR5179 (Lo-16bits)          |
| HR5181           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5182           |                                                    |        |        | HR5181 (Lo-16bits)          |
| HR5183           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5184           |                                                    |        |        | HR5183 (Lo-16bits)          |
| HR5185           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5186           |                                                    |        |        | HR5185 (Lo-16bits)          |
| HR5187           | NEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5188           |                                                    |        |        | HR5187 (Lo-16bits)          |
| HR5189           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5190           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5191           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5192           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5193           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5194           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR5195           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR5196           | NEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR5197           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5198           |                                                    |        |        | HR5197 (Lo-16bits)           |
| HR5199           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5200           |                                                    |        |        | HR5199 (Lo-16bits)           |
| HR5201           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5202           |                                                    |        |        | HR5201 (Lo-16bits)           |
| HR5203           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5204           |                                                    |        |        | HR5203 (Lo-16bits)           |
| HR5205           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5206           |                                                    |        |        | HR5205 (Lo-16bits)           |
| HR5207           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5208           |                                                    |        |        | HR5207 (Lo-16bits)           |
| HR5209           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5210           |                                                    |        |        | HR5209 (Lo-16bits)           |
| HR5211           | NEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5212           |                                                    |        |        | HR5211 (Lo-16bits)           |
| HR5213           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5214           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5215           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5216           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5217           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR5218           | NEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR5219           | NEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5220           | NEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR5221           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5222           |                                            |        |        | HR5221 (Lo-16bits)          |
| HR5223           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5224           |                                            |        |        | HR5223 (Lo-16bits)          |
| HR5225           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5226           |                                            |        |        | HR5225 (Lo-16bits)          |
| HR5227           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5228           |                                            |        |        | HR5227 (Lo-16bits)          |
| HR5229           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5230           |                                            |        |        | HR5229 (Lo-16bits)          |
| HR5231           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5232           |                                            |        |        | HR5231 (Lo-16bits)          |
| HR5233           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5234           |                                            |        |        | HR5233 (Lo-16bits)          |
| HR5235           | NEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5236           |                                            |        |        | HR5235 (Lo-16bits)          |
| HR5237           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5238           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5239           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5240           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5241           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5242           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5243           | NEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR5244           | NEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5245           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5246           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5247           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5248           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5249           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5250           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5251           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5252           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5253           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5254           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5255           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5256           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5257           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5258           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5259           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5260           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5261           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5262           |                                                    |        |        | HR5261 (Lo-16bits)                                          |
| HR5263           | DEF1:Pick-up setting I <sub>0set</sub> >           | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5264           |                                                    |        |        | HR5263 (Lo-16bits)                                          |

| Holding Register | Parameter                   | Access | Length |                                |
|------------------|-----------------------------|--------|--------|--------------------------------|
| HR5265           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5266           |                             |        |        | HR5265 (Lo-16bits)             |
| HR5267           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5268           |                             |        |        | HR5267 (Lo-16bits)             |
| HR5269           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5270           |                             |        |        | HR5269 (Lo-16bits)             |
| HR5271           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5272           |                             |        |        | HR5271 (Lo-16bits)             |
| HR5273           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5274           |                             |        |        | HR5273 (Lo-16bits)             |
| HR5275           | DEF1:Pick-up setting I0set> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5276           |                             |        |        | HR5275 (Lo-16bits)             |
| HR5277           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5278           |                             |        |        | HR5277 (Lo-16bits)             |
| HR5279           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5280           |                             |        |        | HR5279 (Lo-16bits)             |
| HR5281           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5282           |                             |        |        | HR5281 (Lo-16bits)             |
| HR5283           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5284           |                             |        |        | HR5283 (Lo-16bits)             |
| HR5285           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5286           |                             |        |        | HR5285 (Lo-16bits)             |
| HR5287           | DEF1:Pick-up setting U0set> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5288           |                             |        |        | HR5287 (Lo-16bits)             |

| Holding Register | Parameter                                   | Access | Length |                                |
|------------------|---------------------------------------------|--------|--------|--------------------------------|
| HR5289           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5290           |                                             |        |        | HR5289 (Lo-16bits)             |
| HR5291           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5292           |                                             |        |        | HR5291 (Lo-16bits)             |
| HR5293           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5294           |                                             |        |        | HR5293 (Lo-16bits)             |
| HR5295           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5296           |                                             |        |        | HR5295 (Lo-16bits)             |
| HR5297           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5298           |                                             |        |        | HR5297 (Lo-16bits)             |
| HR5299           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5300           |                                             |        |        | HR5299 (Lo-16bits)             |
| HR5301           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5302           |                                             |        |        | HR5301 (Lo-16bits)             |
| HR5303           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5304           |                                             |        |        | HR5303 (Lo-16bits)             |
| HR5305           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5306           |                                             |        |        | HR5305 (Lo-16bits)             |
| HR5307           | DEF1:Comp. Pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5308           |                                             |        |        | HR5307 (Lo-16bits)             |
| HR5309           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5310           |                                             |        |        | HR5309 (Lo-16bits)             |
| HR5311           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5312           |                                             |        |        | HR5311 (Lo-16bits)             |

| Holding Register | Parameter                                                  | Access | Length |                              |
|------------------|------------------------------------------------------------|--------|--------|------------------------------|
| HR5313           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5314           |                                                            |        |        | HR5313 (Lo-16bits)           |
| HR5315           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5316           |                                                            |        |        | HR5315 (Lo-16bits)           |
| HR5317           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5318           |                                                            |        |        | HR5317 (Lo-16bits)           |
| HR5319           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5320           |                                                            |        |        | HR5319 (Lo-16bits)           |
| HR5321           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5322           |                                                            |        |        | HR5321 (Lo-16bits)           |
| HR5323           | DEF1:Comp. Pick-up setting U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5324           |                                                            |        |        | HR5323 (Lo-16bits)           |
| HR5325           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5326           |                                                            |        |        | HR5325 (Lo-16bits)           |
| HR5327           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5328           |                                                            |        |        | HR5327 (Lo-16bits)           |
| HR5329           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5330           |                                                            |        |        | HR5329 (Lo-16bits)           |
| HR5331           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5332           |                                                            |        |        | HR5331 (Lo-16bits)           |
| HR5333           | DEF1:Unearthed / Compensated border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5334           |                                                            |        |        | HR5333 (Lo-16bits)           |



| Holding Register | Parameter                                                        | Access | Length |                              |
|------------------|------------------------------------------------------------------|--------|--------|------------------------------|
| HR5335           | DEF1:Unearthed /<br>Compensated border angle<br>(0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5336           |                                                                  |        |        | HR5335 (Lo-16bits)           |
| HR5337           | DEF1:Unearthed /<br>Compensated border angle<br>(0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5338           |                                                                  |        |        | HR5337 (Lo-16bits)           |
| HR5339           | DEF1:Unearthed /<br>Compensated border angle<br>(0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5340           |                                                                  |        |        | HR5339 (Lo-16bits)           |
| HR5341           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5342           |                                                                  |        |        | HR5341 (Lo-16bits)           |
| HR5343           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5344           |                                                                  |        |        | HR5343 (Lo-16bits)           |
| HR5345           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5346           |                                                                  |        |        | HR5345 (Lo-16bits)           |
| HR5347           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5348           |                                                                  |        |        | HR5347 (Lo-16bits)           |
| HR5349           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5350           |                                                                  |        |        | HR5349 (Lo-16bits)           |
| HR5351           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5352           |                                                                  |        |        | HR5351 (Lo-16bits)           |
| HR5353           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5354           |                                                                  |        |        | HR5353 (Lo-16bits)           |
| HR5355           | DEF1:Resistive (I0Cosfi)<br>mode I0 angle blinder                | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5356           |                                                                  |        |        | HR5355 (Lo-16bits)           |
| HR5357           | DEF1:Multi-criteria<br>detection                                 | R(W)   | 1      | 0=Not Used;1=Is Used         |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5358           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5359           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5360           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5361           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5362           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5363           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5364           | DEF1:Multi-criteria detection                 | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5365           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5366           |                                               |        |        | HR5365 (Lo-16bits)             |
| HR5367           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5368           |                                               |        |        | HR5367 (Lo-16bits)             |
| HR5369           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5370           |                                               |        |        | HR5369 (Lo-16bits)             |
| HR5371           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5372           |                                               |        |        | HR5371 (Lo-16bits)             |
| HR5373           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5374           |                                               |        |        | HR5373 (Lo-16bits)             |
| HR5375           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5376           |                                               |        |        | HR5375 (Lo-16bits)             |
| HR5377           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5378           |                                               |        |        | HR5377 (Lo-16bits)             |
| HR5379           | DEF1:Angle MCD                                | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5380           |                                               |        |        | HR5379 (Lo-16bits)             |
| HR5381           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5382           |                                               |        |        | HR5381 (Lo-16bits)             |
| HR5383           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5384           |                                               |        |        | HR5383 (Lo-16bits)             |
| HR5385           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5386           |                                               |        |        | HR5385 (Lo-16bits)             |
| HR5387           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5388           |                                               |        |        | HR5387 (Lo-16bits)             |
| HR5389           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5390           |                                               |        |        | HR5389 (Lo-16bits)             |
| HR5391           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5392           |                                               |        |        | HR5391 (Lo-16bits)             |
| HR5393           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5394           |                                               |        |        | HR5393 (Lo-16bits)             |
| HR5395           | DEF1:Unearth. Pick-up setting I0set (I0Sinf)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5396           |                                               |        |        | HR5395 (Lo-16bits)             |
| HR5397           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5398           |                                               |        |        | HR5397 (Lo-16bits)             |
| HR5399           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5400           |                                               |        |        | HR5399 (Lo-16bits)             |
| HR5401           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5402           |                                               |        |        | HR5401 (Lo-16bits)             |
| HR5403           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5404           |                                               |        |        | HR5403 (Lo-16bits)             |
| HR5405           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5406           |                                               |        |        | HR5405 (Lo-16bits)             |
| HR5407           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5408           |                                              |        |        | HR5407 (Lo-16bits)             |
| HR5409           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5410           |                                              |        |        | HR5409 (Lo-16bits)             |
| HR5411           | DEF1:Unearth. Pick-up setting U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5412           |                                              |        |        | HR5411 (Lo-16bits)             |
| HR5413           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5414           |                                              |        |        | HR5413 (Lo-16bits)             |
| HR5415           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5416           |                                              |        |        | HR5415 (Lo-16bits)             |
| HR5417           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5418           |                                              |        |        | HR5417 (Lo-16bits)             |
| HR5419           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5420           |                                              |        |        | HR5419 (Lo-16bits)             |
| HR5421           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5422           |                                              |        |        | HR5421 (Lo-16bits)             |
| HR5423           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5424           |                                              |        |        | HR5423 (Lo-16bits)             |
| HR5425           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5426           |                                              |        |        | HR5425 (Lo-16bits)             |
| HR5427           | DEF1:Trip area size (+/-)                    | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5428           |                                              |        |        | HR5427 (Lo-16bits)             |
| HR5429           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5430           |                                              |        |        | HR5429 (Lo-16bits)             |
| HR5431           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5432           |                                              |        |        | HR5431 (Lo-16bits)             |
| HR5433           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5434           |                                              |        |        | HR5433 (Lo-16bits)             |
| HR5435           | DEF1:Trip area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5436           |                                              |        |        | HR5435 (Lo-16bits)             |

| Holding Register | Parameter                                          | Access | Length |                                                        |
|------------------|----------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5437           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5438           |                                                    |        |        | HR5437 (Lo-16bits)                                     |
| HR5439           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5440           |                                                    |        |        | HR5439 (Lo-16bits)                                     |
| HR5441           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5442           |                                                    |        |        | HR5441 (Lo-16bits)                                     |
| HR5443           | DEF1:Trip area center                              | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5444           |                                                    |        |        | HR5443 (Lo-16bits)                                     |
| HR5445           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5446           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5447           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5448           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5449           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5450           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5451           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5452           | DEF1:Delay type of<br>broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinfi |
| HR5453           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5454           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5455           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5456           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5457           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5458           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5459           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5460           | DEF1:Delay type                                    | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5461           | DEF1:Definite operating<br>time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5462           |                                                    |        |        | HR5461 (Lo-16bits)                                     |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR5463           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5464           |                                                 |        |        | HR5463 (Lo-16bits)           |
| HR5465           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5466           |                                                 |        |        | HR5465 (Lo-16bits)           |
| HR5467           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5468           |                                                 |        |        | HR5467 (Lo-16bits)           |
| HR5469           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5470           |                                                 |        |        | HR5469 (Lo-16bits)           |
| HR5471           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5472           |                                                 |        |        | HR5471 (Lo-16bits)           |
| HR5473           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5474           |                                                 |        |        | HR5473 (Lo-16bits)           |
| HR5475           | DEF1:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5476           |                                                 |        |        | HR5475 (Lo-16bits)           |
| HR5477           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5478           |                                                 |        |        | HR5477 (Lo-16bits)           |
| HR5479           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5480           |                                                 |        |        | HR5479 (Lo-16bits)           |
| HR5481           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5482           |                                                 |        |        | HR5481 (Lo-16bits)           |
| HR5483           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5484           |                                                 |        |        | HR5483 (Lo-16bits)           |
| HR5485           | DEF1:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5486           |                                                 |        |        | HR5485 (Lo-16bits)           |

| Holding Register | Parameter                                     | Access | Length |                              |
|------------------|-----------------------------------------------|--------|--------|------------------------------|
| HR5487           | DEF1:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5488           |                                               |        |        | HR5487 (Lo-16bits)           |
| HR5489           | DEF1:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5490           |                                               |        |        | HR5489 (Lo-16bits)           |
| HR5491           | DEF1:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5492           |                                               |        |        | HR5491 (Lo-16bits)           |
| HR5493           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5494           |                                               |        |        | HR5493 (Lo-16bits)           |
| HR5495           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5496           |                                               |        |        | HR5495 (Lo-16bits)           |
| HR5497           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5498           |                                               |        |        | HR5497 (Lo-16bits)           |
| HR5499           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5500           |                                               |        |        | HR5499 (Lo-16bits)           |
| HR5501           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5502           |                                               |        |        | HR5501 (Lo-16bits)           |
| HR5503           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5504           |                                               |        |        | HR5503 (Lo-16bits)           |
| HR5505           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5506           |                                               |        |        | HR5505 (Lo-16bits)           |
| HR5507           | DEF1:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5508           |                                               |        |        | HR5507 (Lo-16bits)           |
| HR5509           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5510           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5511           | DEF1:Delay curve series                       | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5512           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5513           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5514           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5515           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5516           | DEF1:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR5517           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5518           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5519           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5520           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5521           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5522           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5523           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5524           | DEF1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5525           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5526           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5527           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5528           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5529           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5530           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5531           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5532           | DEF1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5533           | DEF1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |



| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR5534           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5535           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5536           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5537           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5538           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5539           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5540           | DEF1:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5541           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5542           |                               |        |        | HR5541 (Lo-16bits)            |
| HR5543           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5544           |                               |        |        | HR5543 (Lo-16bits)            |
| HR5545           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5546           |                               |        |        | HR5545 (Lo-16bits)            |
| HR5547           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5548           |                               |        |        | HR5547 (Lo-16bits)            |
| HR5549           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5550           |                               |        |        | HR5549 (Lo-16bits)            |
| HR5551           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5552           |                               |        |        | HR5551 (Lo-16bits)            |
| HR5553           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5554           |                               |        |        | HR5553 (Lo-16bits)            |
| HR5555           | DEF1:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5556           |                               |        |        | HR5555 (Lo-16bits)            |
| HR5557           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5558           |                               |        |        | HR5557 (Lo-16bits)            |
| HR5559           | DEF1:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5560           |                               |        |        | HR5559 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5561           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5562           |                    |        |        | HR5561 (Lo-16bits)          |
| HR5563           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5564           |                    |        |        | HR5563 (Lo-16bits)          |
| HR5565           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5566           |                    |        |        | HR5565 (Lo-16bits)          |
| HR5567           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5568           |                    |        |        | HR5567 (Lo-16bits)          |
| HR5569           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5570           |                    |        |        | HR5569 (Lo-16bits)          |
| HR5571           | DEF1:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5572           |                    |        |        | HR5571 (Lo-16bits)          |
| HR5573           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5574           |                    |        |        | HR5573 (Lo-16bits)          |
| HR5575           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5576           |                    |        |        | HR5575 (Lo-16bits)          |
| HR5577           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5578           |                    |        |        | HR5577 (Lo-16bits)          |
| HR5579           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5580           |                    |        |        | HR5579 (Lo-16bits)          |
| HR5581           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5582           |                    |        |        | HR5581 (Lo-16bits)          |
| HR5583           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5584           |                    |        |        | HR5583 (Lo-16bits)          |
| HR5585           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5586           |                    |        |        | HR5585 (Lo-16bits)          |
| HR5587           | DEF1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5588           |                    |        |        | HR5587 (Lo-16bits)          |
| HR5589           | DEF1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5590           |                    |        |        | HR5589 (Lo-16bits)          |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5591           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5592           |                                                                         |        |        | HR5591 (Lo-16bits)           |
| HR5593           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5594           |                                                                         |        |        | HR5593 (Lo-16bits)           |
| HR5595           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5596           |                                                                         |        |        | HR5595 (Lo-16bits)           |
| HR5597           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5598           |                                                                         |        |        | HR5597 (Lo-16bits)           |
| HR5599           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5600           |                                                                         |        |        | HR5599 (Lo-16bits)           |
| HR5601           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5602           |                                                                         |        |        | HR5601 (Lo-16bits)           |
| HR5603           | DEF1:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5604           |                                                                         |        |        | HR5603 (Lo-16bits)           |
| HR5605           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5606           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5607           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5608           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5609           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5610           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5611           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5612           | DEF1:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR5613           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5614           |                                                                         |        |        | HR5613 (Lo-16bits)           |
| HR5615           | DEF1:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5616           |                                                |        |        | HR5615 (Lo-16bits)           |
| HR5617           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5618           |                                                |        |        | HR5617 (Lo-16bits)           |
| HR5619           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5620           |                                                |        |        | HR5619 (Lo-16bits)           |
| HR5621           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5622           |                                                |        |        | HR5621 (Lo-16bits)           |
| HR5623           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5624           |                                                |        |        | HR5623 (Lo-16bits)           |
| HR5625           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5626           |                                                |        |        | HR5625 (Lo-16bits)           |
| HR5627           | DEF1:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5628           |                                                |        |        | HR5627 (Lo-16bits)           |
| HR5629           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5630           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5631           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5632           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5633           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5634           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5635           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5636           | DEF1:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR5637           | DEF1:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5638           |                                                |        |        | HR5637 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5639           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5640           |                                                    |        |        | HR5639 (Lo-16bits)          |
| HR5641           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5642           |                                                    |        |        | HR5641 (Lo-16bits)          |
| HR5643           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5644           |                                                    |        |        | HR5643 (Lo-16bits)          |
| HR5645           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5646           |                                                    |        |        | HR5645 (Lo-16bits)          |
| HR5647           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5648           |                                                    |        |        | HR5647 (Lo-16bits)          |
| HR5649           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5650           |                                                    |        |        | HR5649 (Lo-16bits)          |
| HR5651           | DEF1:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5652           |                                                    |        |        | HR5651 (Lo-16bits)          |
| HR5653           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5654           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5655           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5656           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5657           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5658           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5659           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5660           | DEF1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR5661           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR5662           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR5663           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5664           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5665           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5666           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5667           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5668           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR5669           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5670           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5671           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5672           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5673           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5674           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5675           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5676           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR5677           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5678           |                                                    |        |        | HR5677 (Lo-16bits)                                          |
| HR5679           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5680           |                                                    |        |        | HR5679 (Lo-16bits)                                          |
| HR5681           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5682           |                                                    |        |        | HR5681 (Lo-16bits)                                          |
| HR5683           | DEF2:Pick-up setting I <sub>0set</sub> >>          | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR5684           |                                                    |        |        | HR5683 (Lo-16bits)                                          |

| Holding Register | Parameter                    | Access | Length |                                |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR5685           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5686           |                              |        |        | HR5685 (Lo-16bits)             |
| HR5687           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5688           |                              |        |        | HR5687 (Lo-16bits)             |
| HR5689           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5690           |                              |        |        | HR5689 (Lo-16bits)             |
| HR5691           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5692           |                              |        |        | HR5691 (Lo-16bits)             |
| HR5693           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5694           |                              |        |        | HR5693 (Lo-16bits)             |
| HR5695           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5696           |                              |        |        | HR5695 (Lo-16bits)             |
| HR5697           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5698           |                              |        |        | HR5697 (Lo-16bits)             |
| HR5699           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5700           |                              |        |        | HR5699 (Lo-16bits)             |
| HR5701           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5702           |                              |        |        | HR5701 (Lo-16bits)             |
| HR5703           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5704           |                              |        |        | HR5703 (Lo-16bits)             |
| HR5705           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5706           |                              |        |        | HR5705 (Lo-16bits)             |
| HR5707           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5708           |                              |        |        | HR5707 (Lo-16bits)             |

| Holding Register | Parameter                                    | Access | Length |                                |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5709           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5710           |                                              |        |        | HR5709 (Lo-16bits)             |
| HR5711           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5712           |                                              |        |        | HR5711 (Lo-16bits)             |
| HR5713           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5714           |                                              |        |        | HR5713 (Lo-16bits)             |
| HR5715           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5716           |                                              |        |        | HR5715 (Lo-16bits)             |
| HR5717           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5718           |                                              |        |        | HR5717 (Lo-16bits)             |
| HR5719           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5720           |                                              |        |        | HR5719 (Lo-16bits)             |
| HR5721           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5722           |                                              |        |        | HR5721 (Lo-16bits)             |
| HR5723           | DEF2:Comp. Pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5724           |                                              |        |        | HR5723 (Lo-16bits)             |
| HR5725           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5726           |                                              |        |        | HR5725 (Lo-16bits)             |
| HR5727           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5728           |                                              |        |        | HR5727 (Lo-16bits)             |
| HR5729           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5730           |                                              |        |        | HR5729 (Lo-16bits)             |
| HR5731           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5732           |                                              |        |        | HR5731 (Lo-16bits)             |



| Holding Register | Parameter                                   | Access | Length |                              |
|------------------|---------------------------------------------|--------|--------|------------------------------|
| HR5733           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5734           |                                             |        |        | HR5733 (Lo-16bits)           |
| HR5735           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5736           |                                             |        |        | HR5735 (Lo-16bits)           |
| HR5737           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5738           |                                             |        |        | HR5737 (Lo-16bits)           |
| HR5739           | DEF2:Comp. Pick-up setting U0set(I0Cosfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5740           |                                             |        |        | HR5739 (Lo-16bits)           |
| HR5741           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5742           |                                             |        |        | HR5741 (Lo-16bits)           |
| HR5743           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5744           |                                             |        |        | HR5743 (Lo-16bits)           |
| HR5745           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5746           |                                             |        |        | HR5745 (Lo-16bits)           |
| HR5747           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5748           |                                             |        |        | HR5747 (Lo-16bits)           |
| HR5749           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5750           |                                             |        |        | HR5749 (Lo-16bits)           |
| HR5751           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5752           |                                             |        |        | HR5751 (Lo-16bits)           |
| HR5753           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5754           |                                             |        |        | HR5753 (Lo-16bits)           |
| HR5755           | DEF2:Unearthed / Compensated border angle   | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5756           |                                             |        |        | HR5755 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR5757           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5758           |                                                |        |        | HR5757 (Lo-16bits)          |
| HR5759           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5760           |                                                |        |        | HR5759 (Lo-16bits)          |
| HR5761           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5762           |                                                |        |        | HR5761 (Lo-16bits)          |
| HR5763           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5764           |                                                |        |        | HR5763 (Lo-16bits)          |
| HR5765           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5766           |                                                |        |        | HR5765 (Lo-16bits)          |
| HR5767           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5768           |                                                |        |        | HR5767 (Lo-16bits)          |
| HR5769           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5770           |                                                |        |        | HR5769 (Lo-16bits)          |
| HR5771           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5772           |                                                |        |        | HR5771 (Lo-16bits)          |
| HR5773           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5774           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5775           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5776           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5777           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5778           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR5779           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |

| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR5780           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used           |
| HR5781           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5782           |                                                |        |        | HR5781 (Lo-16bits)             |
| HR5783           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5784           |                                                |        |        | HR5783 (Lo-16bits)             |
| HR5785           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5786           |                                                |        |        | HR5785 (Lo-16bits)             |
| HR5787           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5788           |                                                |        |        | HR5787 (Lo-16bits)             |
| HR5789           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5790           |                                                |        |        | HR5789 (Lo-16bits)             |
| HR5791           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5792           |                                                |        |        | HR5791 (Lo-16bits)             |
| HR5793           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5794           |                                                |        |        | HR5793 (Lo-16bits)             |
| HR5795           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5796           |                                                |        |        | HR5795 (Lo-16bits)             |
| HR5797           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5798           |                                                |        |        | HR5797 (Lo-16bits)             |
| HR5799           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5800           |                                                |        |        | HR5799 (Lo-16bits)             |
| HR5801           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5802           |                                                |        |        | HR5801 (Lo-16bits)             |
| HR5803           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5804           |                                                |        |        | HR5803 (Lo-16bits)             |
| HR5805           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5806           |                                                |        |        | HR5805 (Lo-16bits)             |

| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR5807           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5808           |                                                |        |        | HR5807 (Lo-16bits)             |
| HR5809           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5810           |                                                |        |        | HR5809 (Lo-16bits)             |
| HR5811           | DEF2:Unearth. Pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5812           |                                                |        |        | HR5811 (Lo-16bits)             |
| HR5813           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5814           |                                                |        |        | HR5813 (Lo-16bits)             |
| HR5815           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5816           |                                                |        |        | HR5815 (Lo-16bits)             |
| HR5817           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5818           |                                                |        |        | HR5817 (Lo-16bits)             |
| HR5819           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5820           |                                                |        |        | HR5819 (Lo-16bits)             |
| HR5821           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5822           |                                                |        |        | HR5821 (Lo-16bits)             |
| HR5823           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5824           |                                                |        |        | HR5823 (Lo-16bits)             |
| HR5825           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5826           |                                                |        |        | HR5825 (Lo-16bits)             |
| HR5827           | DEF2:Unearth. Pick-up setting U0set(I0Sinf)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5828           |                                                |        |        | HR5827 (Lo-16bits)             |
| HR5829           | DEF2:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5830           |                                                |        |        | HR5829 (Lo-16bits)             |
| HR5831           | DEF2:Trip area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |

| Holding Register | Parameter                                     | Access | Length |                                                        |
|------------------|-----------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5832           |                                               |        |        | HR5831 (Lo-16bits)                                     |
| HR5833           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5834           |                                               |        |        | HR5833 (Lo-16bits)                                     |
| HR5835           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5836           |                                               |        |        | HR5835 (Lo-16bits)                                     |
| HR5837           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5838           |                                               |        |        | HR5837 (Lo-16bits)                                     |
| HR5839           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5840           |                                               |        |        | HR5839 (Lo-16bits)                                     |
| HR5841           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5842           |                                               |        |        | HR5841 (Lo-16bits)                                     |
| HR5843           | DEF2:Trip area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5844           |                                               |        |        | HR5843 (Lo-16bits)                                     |
| HR5845           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5846           |                                               |        |        | HR5845 (Lo-16bits)                                     |
| HR5847           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5848           |                                               |        |        | HR5847 (Lo-16bits)                                     |
| HR5849           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5850           |                                               |        |        | HR5849 (Lo-16bits)                                     |
| HR5851           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5852           |                                               |        |        | HR5851 (Lo-16bits)                                     |
| HR5853           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5854           |                                               |        |        | HR5853 (Lo-16bits)                                     |
| HR5855           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5856           |                                               |        |        | HR5855 (Lo-16bits)                                     |
| HR5857           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5858           |                                               |        |        | HR5857 (Lo-16bits)                                     |
| HR5859           | DEF2:Trip area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5860           |                                               |        |        | HR5859 (Lo-16bits)                                     |
| HR5861           | DEF2:Delay type of broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |

| Holding Register | Parameter                                       | Access | Length |                                                        |
|------------------|-------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5862           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5863           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5864           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5865           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5866           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5867           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5868           | DEF2:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR5869           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5870           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5871           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5872           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5873           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5874           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5875           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5876           | DEF2:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR5877           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5878           |                                                 |        |        | HR5877 (Lo-16bits)                                     |
| HR5879           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5880           |                                                 |        |        | HR5879 (Lo-16bits)                                     |
| HR5881           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5882           |                                                 |        |        | HR5881 (Lo-16bits)                                     |
| HR5883           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5884           |                                                 |        |        | HR5883 (Lo-16bits)                                     |
| HR5885           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR5886           |                                                 |        |        | HR5885 (Lo-16bits)           |
| HR5887           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5888           |                                                 |        |        | HR5887 (Lo-16bits)           |
| HR5889           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5890           |                                                 |        |        | HR5889 (Lo-16bits)           |
| HR5891           | DEF2:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5892           |                                                 |        |        | HR5891 (Lo-16bits)           |
| HR5893           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5894           |                                                 |        |        | HR5893 (Lo-16bits)           |
| HR5895           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5896           |                                                 |        |        | HR5895 (Lo-16bits)           |
| HR5897           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5898           |                                                 |        |        | HR5897 (Lo-16bits)           |
| HR5899           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5900           |                                                 |        |        | HR5899 (Lo-16bits)           |
| HR5901           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5902           |                                                 |        |        | HR5901 (Lo-16bits)           |
| HR5903           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5904           |                                                 |        |        | HR5903 (Lo-16bits)           |
| HR5905           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5906           |                                                 |        |        | HR5905 (Lo-16bits)           |
| HR5907           | DEF2:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5908           |                                                 |        |        | HR5907 (Lo-16bits)           |
| HR5909           | DEF2:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR5910           |                                              |        |        | HR5909 (Lo-16bits)           |
| HR5911           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5912           |                                              |        |        | HR5911 (Lo-16bits)           |
| HR5913           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5914           |                                              |        |        | HR5913 (Lo-16bits)           |
| HR5915           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5916           |                                              |        |        | HR5915 (Lo-16bits)           |
| HR5917           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5918           |                                              |        |        | HR5917 (Lo-16bits)           |
| HR5919           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5920           |                                              |        |        | HR5919 (Lo-16bits)           |
| HR5921           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5922           |                                              |        |        | HR5921 (Lo-16bits)           |
| HR5923           | DEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5924           |                                              |        |        | HR5923 (Lo-16bits)           |
| HR5925           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5926           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5927           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5928           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5929           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5930           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5931           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5932           | DEF2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR5933           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR5934           | DEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |



| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR5935           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5936           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5937           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5938           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5939           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5940           | DEF2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR5941           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5942           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5943           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5944           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5945           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5946           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5947           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5948           | DEF2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR5949           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5950           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5951           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5952           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5953           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR5954           | DEF2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR5955           | DEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5956           | DEF2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type           |
| HR5957           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5958           |                               |        |        | HR5957 (Lo-16bits)            |
| HR5959           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5960           |                               |        |        | HR5959 (Lo-16bits)            |
| HR5961           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5962           |                               |        |        | HR5961 (Lo-16bits)            |
| HR5963           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5964           |                               |        |        | HR5963 (Lo-16bits)            |
| HR5965           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5966           |                               |        |        | HR5965 (Lo-16bits)            |
| HR5967           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5968           |                               |        |        | HR5967 (Lo-16bits)            |
| HR5969           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5970           |                               |        |        | HR5969 (Lo-16bits)            |
| HR5971           | DEF2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5972           |                               |        |        | HR5971 (Lo-16bits)            |
| HR5973           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5974           |                               |        |        | HR5973 (Lo-16bits)            |
| HR5975           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5976           |                               |        |        | HR5975 (Lo-16bits)            |
| HR5977           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5978           |                               |        |        | HR5977 (Lo-16bits)            |
| HR5979           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5980           |                               |        |        | HR5979 (Lo-16bits)            |
| HR5981           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5982           |                               |        |        | HR5981 (Lo-16bits)            |
| HR5983           | DEF2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR5984           |                    |        |        | HR5983 (Lo-16bits)          |
| HR5985           | DEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5986           |                    |        |        | HR5985 (Lo-16bits)          |
| HR5987           | DEF2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5988           |                    |        |        | HR5987 (Lo-16bits)          |
| HR5989           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5990           |                    |        |        | HR5989 (Lo-16bits)          |
| HR5991           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5992           |                    |        |        | HR5991 (Lo-16bits)          |
| HR5993           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5994           |                    |        |        | HR5993 (Lo-16bits)          |
| HR5995           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5996           |                    |        |        | HR5995 (Lo-16bits)          |
| HR5997           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5998           |                    |        |        | HR5997 (Lo-16bits)          |
| HR5999           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6000           |                    |        |        | HR5999 (Lo-16bits)          |
| HR6001           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6002           |                    |        |        | HR6001 (Lo-16bits)          |
| HR6003           | DEF2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6004           |                    |        |        | HR6003 (Lo-16bits)          |
| HR6005           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6006           |                    |        |        | HR6005 (Lo-16bits)          |
| HR6007           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6008           |                    |        |        | HR6007 (Lo-16bits)          |
| HR6009           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6010           |                    |        |        | HR6009 (Lo-16bits)          |
| HR6011           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6012           |                    |        |        | HR6011 (Lo-16bits)          |
| HR6013           | DEF2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6014           |                                                                         |        |        | HR6013 (Lo-16bits)           |
| HR6015           | DEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6016           |                                                                         |        |        | HR6015 (Lo-16bits)           |
| HR6017           | DEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6018           |                                                                         |        |        | HR6017 (Lo-16bits)           |
| HR6019           | DEF2:IDMT Const. C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6020           |                                                                         |        |        | HR6019 (Lo-16bits)           |
| HR6021           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6022           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6023           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6024           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6025           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6026           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6027           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6028           | DEF2:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6029           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6030           |                                                                         |        |        | HR6029 (Lo-16bits)           |
| HR6031           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6032           |                                                                         |        |        | HR6031 (Lo-16bits)           |
| HR6033           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6034           |                                                                         |        |        | HR6033 (Lo-16bits)           |
| HR6035           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6036           |                                                                         |        |        | HR6035 (Lo-16bits)           |
| HR6037           | DEF2:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6038           |                                                |        |        | HR6037 (Lo-16bits)           |
| HR6039           | DEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6040           |                                                |        |        | HR6039 (Lo-16bits)           |
| HR6041           | DEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6042           |                                                |        |        | HR6041 (Lo-16bits)           |
| HR6043           | DEF2:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6044           |                                                |        |        | HR6043 (Lo-16bits)           |
| HR6045           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6046           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6047           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6048           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6049           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6050           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6051           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6052           | DEF2:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6053           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6054           |                                                |        |        | HR6053 (Lo-16bits)           |
| HR6055           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6056           |                                                |        |        | HR6055 (Lo-16bits)           |
| HR6057           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6058           |                                                |        |        | HR6057 (Lo-16bits)           |
| HR6059           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6060           |                                                |        |        | HR6059 (Lo-16bits)           |
| HR6061           | DEF2:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6062           |                                                |        |        | HR6061 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6063           | DEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6064           |                                                    |        |        | HR6063 (Lo-16bits)          |
| HR6065           | DEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6066           |                                                    |        |        | HR6065 (Lo-16bits)          |
| HR6067           | DEF2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6068           |                                                    |        |        | HR6067 (Lo-16bits)          |
| HR6069           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6070           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6071           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6072           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6073           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6074           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6075           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6076           | DEF2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR6077           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6078           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6079           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6080           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6081           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6082           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6083           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6084           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6085           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6086           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6087           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6088           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6089           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6090           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6091           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6092           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6093           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6094           |                                                    |        |        | HR6093 (Lo-16bits)                                          |
| HR6095           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6096           |                                                    |        |        | HR6095 (Lo-16bits)                                          |
| HR6097           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6098           |                                                    |        |        | HR6097 (Lo-16bits)                                          |
| HR6099           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6100           |                                                    |        |        | HR6099 (Lo-16bits)                                          |
| HR6101           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6102           |                                                    |        |        | HR6101 (Lo-16bits)                                          |
| HR6103           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6104           |                                                    |        |        | HR6103 (Lo-16bits)                                          |
| HR6105           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6106           |                                                    |        |        | HR6105 (Lo-16bits)                                          |

| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR6107           | DEF3:Pick-up setting I0set>>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6108           |                                               |        |        | HR6107 (Lo-16bits)             |
| HR6109           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6110           |                                               |        |        | HR6109 (Lo-16bits)             |
| HR6111           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6112           |                                               |        |        | HR6111 (Lo-16bits)             |
| HR6113           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6114           |                                               |        |        | HR6113 (Lo-16bits)             |
| HR6115           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6116           |                                               |        |        | HR6115 (Lo-16bits)             |
| HR6117           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6118           |                                               |        |        | HR6117 (Lo-16bits)             |
| HR6119           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6120           |                                               |        |        | HR6119 (Lo-16bits)             |
| HR6121           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6122           |                                               |        |        | HR6121 (Lo-16bits)             |
| HR6123           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6124           |                                               |        |        | HR6123 (Lo-16bits)             |
| HR6125           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6126           |                                               |        |        | HR6125 (Lo-16bits)             |
| HR6127           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6128           |                                               |        |        | HR6127 (Lo-16bits)             |
| HR6129           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6130           |                                               |        |        | HR6129 (Lo-16bits)             |



| Holding Register | Parameter                                     | Access | Length |                                |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR6131           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6132           |                                               |        |        | HR6131 (Lo-16bits)             |
| HR6133           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6134           |                                               |        |        | HR6133 (Lo-16bits)             |
| HR6135           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6136           |                                               |        |        | HR6135 (Lo-16bits)             |
| HR6137           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6138           |                                               |        |        | HR6137 (Lo-16bits)             |
| HR6139           | DEF3:Comp. Pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6140           |                                               |        |        | HR6139 (Lo-16bits)             |
| HR6141           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6142           |                                               |        |        | HR6141 (Lo-16bits)             |
| HR6143           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6144           |                                               |        |        | HR6143 (Lo-16bits)             |
| HR6145           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6146           |                                               |        |        | HR6145 (Lo-16bits)             |
| HR6147           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6148           |                                               |        |        | HR6147 (Lo-16bits)             |
| HR6149           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6150           |                                               |        |        | HR6149 (Lo-16bits)             |
| HR6151           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6152           |                                               |        |        | HR6151 (Lo-16bits)             |
| HR6153           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6154           |                                               |        |        | HR6153 (Lo-16bits)             |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6155           | DEF3:Comp. Pick-up setting U0set(I0Cosfi)>>>   | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6156           |                                                |        |        | HR6155 (Lo-16bits)           |
| HR6157           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6158           |                                                |        |        | HR6157 (Lo-16bits)           |
| HR6159           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6160           |                                                |        |        | HR6159 (Lo-16bits)           |
| HR6161           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6162           |                                                |        |        | HR6161 (Lo-16bits)           |
| HR6163           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6164           |                                                |        |        | HR6163 (Lo-16bits)           |
| HR6165           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6166           |                                                |        |        | HR6165 (Lo-16bits)           |
| HR6167           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6168           |                                                |        |        | HR6167 (Lo-16bits)           |
| HR6169           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6170           |                                                |        |        | HR6169 (Lo-16bits)           |
| HR6171           | DEF3:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6172           |                                                |        |        | HR6171 (Lo-16bits)           |
| HR6173           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6174           |                                                |        |        | HR6173 (Lo-16bits)           |
| HR6175           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6176           |                                                |        |        | HR6175 (Lo-16bits)           |
| HR6177           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6178           |                                                |        |        | HR6177 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6179           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6180           |                                                |        |        | HR6179 (Lo-16bits)          |
| HR6181           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6182           |                                                |        |        | HR6181 (Lo-16bits)          |
| HR6183           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6184           |                                                |        |        | HR6183 (Lo-16bits)          |
| HR6185           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6186           |                                                |        |        | HR6185 (Lo-16bits)          |
| HR6187           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6188           |                                                |        |        | HR6187 (Lo-16bits)          |
| HR6189           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6190           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6191           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6192           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6193           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6194           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6195           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6196           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6197           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6198           |                                                |        |        | HR6197 (Lo-16bits)          |
| HR6199           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6200           |                                                |        |        | HR6199 (Lo-16bits)          |
| HR6201           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6202           |                                                |        |        | HR6201 (Lo-16bits)          |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR6203           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6204           |                                                 |        |        | HR6203 (Lo-16bits)             |
| HR6205           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6206           |                                                 |        |        | HR6205 (Lo-16bits)             |
| HR6207           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6208           |                                                 |        |        | HR6207 (Lo-16bits)             |
| HR6209           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6210           |                                                 |        |        | HR6209 (Lo-16bits)             |
| HR6211           | DEF3:Angle MCD                                  | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6212           |                                                 |        |        | HR6211 (Lo-16bits)             |
| HR6213           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6214           |                                                 |        |        | HR6213 (Lo-16bits)             |
| HR6215           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6216           |                                                 |        |        | HR6215 (Lo-16bits)             |
| HR6217           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6218           |                                                 |        |        | HR6217 (Lo-16bits)             |
| HR6219           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6220           |                                                 |        |        | HR6219 (Lo-16bits)             |
| HR6221           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6222           |                                                 |        |        | HR6221 (Lo-16bits)             |
| HR6223           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6224           |                                                 |        |        | HR6223 (Lo-16bits)             |
| HR6225           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6226           |                                                 |        |        | HR6225 (Lo-16bits)             |
| HR6227           | DEF3:Unearth. Pick-up setting I0set (I0Sinf)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6228           |                                                 |        |        | HR6227 (Lo-16bits)             |

| Holding Register | Parameter                                       | Access | Length |                             |
|------------------|-------------------------------------------------|--------|--------|-----------------------------|
| HR6229           | DEF3:Unearth. Pick-up setting U0set(I0Sinfi)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6230           |                                                 |        |        | HR6229 (Lo-16bits)          |
| HR6231           | DEF3:Unearth. Pick-up setting U0set(I0Sinfi)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6232           |                                                 |        |        | HR6231 (Lo-16bits)          |
| HR6233           | DEF3:Unearth. Pick-up setting U0set(I0Sinfi)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6234           |                                                 |        |        | HR6233 (Lo-16bits)          |
| HR6235           | DEF3:Unearth. Pick-up setting U0set(I0Sinfi)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6236           |                                                 |        |        | HR6235 (Lo-16bits)          |
| HR6237           | DEF3:Unearth. Pick-up setting U0set(I0Sinfi)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6238           |                                                 |        |        | HR6237 (Lo-16bits)          |
| HR6239           | DEF3:Unearth. Pick-up setting U0set(I0Sinfi)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6240           |                                                 |        |        | HR6239 (Lo-16bits)          |
| HR6241           | DEF3:Unearth. Pick-up setting U0set(I0Sinfi)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6242           |                                                 |        |        | HR6241 (Lo-16bits)          |
| HR6243           | DEF3:Unearth. Pick-up setting U0set(I0Sinfi)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6244           |                                                 |        |        | HR6243 (Lo-16bits)          |
| HR6245           | DEF3:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6246           |                                                 |        |        | HR6245 (Lo-16bits)          |
| HR6247           | DEF3:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6248           |                                                 |        |        | HR6247 (Lo-16bits)          |
| HR6249           | DEF3:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6250           |                                                 |        |        | HR6249 (Lo-16bits)          |
| HR6251           | DEF3:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6252           |                                                 |        |        | HR6251 (Lo-16bits)          |
| HR6253           | DEF3:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6254           |                                                 |        |        | HR6253 (Lo-16bits)          |

| Holding Register | Parameter                                        | Access | Length |                                                        |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6255           | DEF3:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6256           |                                                  |        |        | HR6255 (Lo-16bits)                                     |
| HR6257           | DEF3:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6258           |                                                  |        |        | HR6257 (Lo-16bits)                                     |
| HR6259           | DEF3:Trip area size (+/-)                        | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6260           |                                                  |        |        | HR6259 (Lo-16bits)                                     |
| HR6261           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6262           |                                                  |        |        | HR6261 (Lo-16bits)                                     |
| HR6263           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6264           |                                                  |        |        | HR6263 (Lo-16bits)                                     |
| HR6265           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6266           |                                                  |        |        | HR6265 (Lo-16bits)                                     |
| HR6267           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6268           |                                                  |        |        | HR6267 (Lo-16bits)                                     |
| HR6269           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6270           |                                                  |        |        | HR6269 (Lo-16bits)                                     |
| HR6271           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6272           |                                                  |        |        | HR6271 (Lo-16bits)                                     |
| HR6273           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6274           |                                                  |        |        | HR6273 (Lo-16bits)                                     |
| HR6275           | DEF3:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6276           |                                                  |        |        | HR6275 (Lo-16bits)                                     |
| HR6277           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6278           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6279           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6280           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6281           | DEF3:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |

| Holding Register | Parameter                                       | Access | Length |                                                        |
|------------------|-------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6282           | DEF3:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6283           | DEF3:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6284           | DEF3:Delay type of broadrange characteristics   | R(W)   | 1      | 0=Common time;1=Separate times for IOCosfi and IOSinfi |
| HR6285           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6286           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6287           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6288           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6289           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6290           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6291           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6292           | DEF3:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                                            |
| HR6293           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6294           |                                                 |        |        | HR6293 (Lo-16bits)                                     |
| HR6295           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6296           |                                                 |        |        | HR6295 (Lo-16bits)                                     |
| HR6297           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6298           |                                                 |        |        | HR6297 (Lo-16bits)                                     |
| HR6299           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6300           |                                                 |        |        | HR6299 (Lo-16bits)                                     |
| HR6301           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6302           |                                                 |        |        | HR6301 (Lo-16bits)                                     |
| HR6303           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6304           |                                                 |        |        | HR6303 (Lo-16bits)                                     |
| HR6305           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6306           |                                                 |        |        | HR6305 (Lo-16bits)                                     |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR6307           | DEF3:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6308           |                                                 |        |        | HR6307 (Lo-16bits)           |
| HR6309           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6310           |                                                 |        |        | HR6309 (Lo-16bits)           |
| HR6311           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6312           |                                                 |        |        | HR6311 (Lo-16bits)           |
| HR6313           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6314           |                                                 |        |        | HR6313 (Lo-16bits)           |
| HR6315           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6316           |                                                 |        |        | HR6315 (Lo-16bits)           |
| HR6317           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6318           |                                                 |        |        | HR6317 (Lo-16bits)           |
| HR6319           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6320           |                                                 |        |        | HR6319 (Lo-16bits)           |
| HR6321           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6322           |                                                 |        |        | HR6321 (Lo-16bits)           |
| HR6323           | DEF3:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6324           |                                                 |        |        | HR6323 (Lo-16bits)           |
| HR6325           | DEF3:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6326           |                                                 |        |        | HR6325 (Lo-16bits)           |
| HR6327           | DEF3:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6328           |                                                 |        |        | HR6327 (Lo-16bits)           |
| HR6329           | DEF3:Definite (minimum) operating time delay    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6330           |                                                 |        |        | HR6329 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6331           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6332           |                                              |        |        | HR6331 (Lo-16bits)           |
| HR6333           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6334           |                                              |        |        | HR6333 (Lo-16bits)           |
| HR6335           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6336           |                                              |        |        | HR6335 (Lo-16bits)           |
| HR6337           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6338           |                                              |        |        | HR6337 (Lo-16bits)           |
| HR6339           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6340           |                                              |        |        | HR6339 (Lo-16bits)           |
| HR6341           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6342           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6343           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6344           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6345           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6346           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6347           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6348           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6349           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6350           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6351           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6352           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6353           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6354           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR6355           | DEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6356           | DEF3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6357           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6358           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6359           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6360           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6361           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6362           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6363           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6364           | DEF3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6365           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6366           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6367           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6368           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6369           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6370           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6371           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6372           | DEF3:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6373           | DEF3:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6374           |                                |        |        | HR6373 (Lo-16bits)                                          |
| HR6375           | DEF3:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6376           |                          |        |        | HR6375 (Lo-16bits)            |
| HR6377           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6378           |                          |        |        | HR6377 (Lo-16bits)            |
| HR6379           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6380           |                          |        |        | HR6379 (Lo-16bits)            |
| HR6381           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6382           |                          |        |        | HR6381 (Lo-16bits)            |
| HR6383           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6384           |                          |        |        | HR6383 (Lo-16bits)            |
| HR6385           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6386           |                          |        |        | HR6385 (Lo-16bits)            |
| HR6387           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6388           |                          |        |        | HR6387 (Lo-16bits)            |
| HR6389           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6390           |                          |        |        | HR6389 (Lo-16bits)            |
| HR6391           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6392           |                          |        |        | HR6391 (Lo-16bits)            |
| HR6393           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6394           |                          |        |        | HR6393 (Lo-16bits)            |
| HR6395           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6396           |                          |        |        | HR6395 (Lo-16bits)            |
| HR6397           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6398           |                          |        |        | HR6397 (Lo-16bits)            |
| HR6399           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6400           |                          |        |        | HR6399 (Lo-16bits)            |
| HR6401           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6402           |                          |        |        | HR6401 (Lo-16bits)            |
| HR6403           | DEF3:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6404           |                          |        |        | HR6403 (Lo-16bits)            |
| HR6405           | DEF3:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR6406           |                    |        |        | HR6405 (Lo-16bits)          |
| HR6407           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6408           |                    |        |        | HR6407 (Lo-16bits)          |
| HR6409           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6410           |                    |        |        | HR6409 (Lo-16bits)          |
| HR6411           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6412           |                    |        |        | HR6411 (Lo-16bits)          |
| HR6413           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6414           |                    |        |        | HR6413 (Lo-16bits)          |
| HR6415           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6416           |                    |        |        | HR6415 (Lo-16bits)          |
| HR6417           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6418           |                    |        |        | HR6417 (Lo-16bits)          |
| HR6419           | DEF3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6420           |                    |        |        | HR6419 (Lo-16bits)          |
| HR6421           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6422           |                    |        |        | HR6421 (Lo-16bits)          |
| HR6423           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6424           |                    |        |        | HR6423 (Lo-16bits)          |
| HR6425           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6426           |                    |        |        | HR6425 (Lo-16bits)          |
| HR6427           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6428           |                    |        |        | HR6427 (Lo-16bits)          |
| HR6429           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6430           |                    |        |        | HR6429 (Lo-16bits)          |
| HR6431           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6432           |                    |        |        | HR6431 (Lo-16bits)          |
| HR6433           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6434           |                    |        |        | HR6433 (Lo-16bits)          |
| HR6435           | DEF3:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                               | Access | Length |                              |
|------------------|-------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6436           |                                                                         |        |        | HR6435 (Lo-16bits)           |
| HR6437           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6438           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6439           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6440           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6441           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6442           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6443           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6444           | DEF3:Inrush Harmonic Blocking (Internal Only Trip)                      | R(W)   | 1      | 0=No;1=Yes                   |
| HR6445           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6446           |                                                                         |        |        | HR6445 (Lo-16bits)           |
| HR6447           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6448           |                                                                         |        |        | HR6447 (Lo-16bits)           |
| HR6449           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6450           |                                                                         |        |        | HR6449 (Lo-16bits)           |
| HR6451           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6452           |                                                                         |        |        | HR6451 (Lo-16bits)           |
| HR6453           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6454           |                                                                         |        |        | HR6453 (Lo-16bits)           |
| HR6455           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6456           |                                                                         |        |        | HR6455 (Lo-16bits)           |
| HR6457           | DEF3:2.nd Harmonic Block Limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6458           |                                                                         |        |        | HR6457 (Lo-16bits)           |

| Holding Register | Parameter                                      | Access | Length |                              |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6459           | DEF3:2.nd Harmonic Block Limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6460           |                                                |        |        | HR6459 (Lo-16bits)           |
| HR6461           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6462           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6463           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6464           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6465           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6466           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6467           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6468           | DEF3:Delayed Pick-up release                   | R(W)   | 1      | 0=No;1=Yes                   |
| HR6469           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6470           |                                                |        |        | HR6469 (Lo-16bits)           |
| HR6471           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6472           |                                                |        |        | HR6471 (Lo-16bits)           |
| HR6473           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6474           |                                                |        |        | HR6473 (Lo-16bits)           |
| HR6475           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6476           |                                                |        |        | HR6475 (Lo-16bits)           |
| HR6477           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6478           |                                                |        |        | HR6477 (Lo-16bits)           |
| HR6479           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6480           |                                                |        |        | HR6479 (Lo-16bits)           |
| HR6481           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6482           |                                                |        |        | HR6481 (Lo-16bits)           |
| HR6483           | DEF3:Release Time delay                        | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6484           |                                                |        |        | HR6483 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length |                                                             |
|------------------|----------------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6485           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6486           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6487           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6488           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6489           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6490           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6491           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6492           | DEF3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6493           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6494           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6495           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6496           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6497           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6498           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6499           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6500           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                                                  |
| HR6501           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6502           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |

| Holding Register | Parameter                         | Access | Length |                                                             |
|------------------|-----------------------------------|--------|--------|-------------------------------------------------------------|
| HR6503           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6504           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6505           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6506           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6507           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6508           | DEF4:Grounding type               | R(W)   | 1      | 0=Unearthed [32N Var];1=Petersen coil GND [32N Watt];2=Grou |
| HR6509           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6510           |                                   |        |        | HR6509 (Lo-16bits)                                          |
| HR6511           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6512           |                                   |        |        | HR6511 (Lo-16bits)                                          |
| HR6513           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6514           |                                   |        |        | HR6513 (Lo-16bits)                                          |
| HR6515           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6516           |                                   |        |        | HR6515 (Lo-16bits)                                          |
| HR6517           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6518           |                                   |        |        | HR6517 (Lo-16bits)                                          |
| HR6519           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6520           |                                   |        |        | HR6519 (Lo-16bits)                                          |
| HR6521           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6522           |                                   |        |        | HR6521 (Lo-16bits)                                          |
| HR6523           | DEF4:Pick-up setting<br>I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                              |
| HR6524           |                                   |        |        | HR6523 (Lo-16bits)                                          |
| HR6525           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |
| HR6526           |                                   |        |        | HR6525 (Lo-16bits)                                          |
| HR6527           | DEF4:Pick-up setting<br>U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                  |



| Holding Register | Parameter                                         | Access | Length |                                |
|------------------|---------------------------------------------------|--------|--------|--------------------------------|
| HR6528           |                                                   |        |        | HR6527 (Lo-16bits)             |
| HR6529           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6530           |                                                   |        |        | HR6529 (Lo-16bits)             |
| HR6531           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6532           |                                                   |        |        | HR6531 (Lo-16bits)             |
| HR6533           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6534           |                                                   |        |        | HR6533 (Lo-16bits)             |
| HR6535           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6536           |                                                   |        |        | HR6535 (Lo-16bits)             |
| HR6537           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6538           |                                                   |        |        | HR6537 (Lo-16bits)             |
| HR6539           | DEF4:Pick-up setting<br>U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6540           |                                                   |        |        | HR6539 (Lo-16bits)             |
| HR6541           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6542           |                                                   |        |        | HR6541 (Lo-16bits)             |
| HR6543           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6544           |                                                   |        |        | HR6543 (Lo-16bits)             |
| HR6545           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6546           |                                                   |        |        | HR6545 (Lo-16bits)             |
| HR6547           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6548           |                                                   |        |        | HR6547 (Lo-16bits)             |
| HR6549           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6550           |                                                   |        |        | HR6549 (Lo-16bits)             |
| HR6551           | DEF4:Comp. Pick-up<br>setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length |                                |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR6552           |                                                |        |        | HR6551 (Lo-16bits)             |
| HR6553           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6554           |                                                |        |        | HR6553 (Lo-16bits)             |
| HR6555           | DEF4:Comp. Pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6556           |                                                |        |        | HR6555 (Lo-16bits)             |
| HR6557           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6558           |                                                |        |        | HR6557 (Lo-16bits)             |
| HR6559           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6560           |                                                |        |        | HR6559 (Lo-16bits)             |
| HR6561           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6562           |                                                |        |        | HR6561 (Lo-16bits)             |
| HR6563           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6564           |                                                |        |        | HR6563 (Lo-16bits)             |
| HR6565           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6566           |                                                |        |        | HR6565 (Lo-16bits)             |
| HR6567           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6568           |                                                |        |        | HR6567 (Lo-16bits)             |
| HR6569           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6570           |                                                |        |        | HR6569 (Lo-16bits)             |
| HR6571           | DEF4:Comp. Pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6572           |                                                |        |        | HR6571 (Lo-16bits)             |
| HR6573           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |
| HR6574           |                                                |        |        | HR6573 (Lo-16bits)             |
| HR6575           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |

| Holding Register | Parameter                                         | Access | Length |                              |
|------------------|---------------------------------------------------|--------|--------|------------------------------|
| HR6576           |                                                   |        |        | HR6575 (Lo-16bits)           |
| HR6577           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6578           |                                                   |        |        | HR6577 (Lo-16bits)           |
| HR6579           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6580           |                                                   |        |        | HR6579 (Lo-16bits)           |
| HR6581           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6582           |                                                   |        |        | HR6581 (Lo-16bits)           |
| HR6583           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6584           |                                                   |        |        | HR6583 (Lo-16bits)           |
| HR6585           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6586           |                                                   |        |        | HR6585 (Lo-16bits)           |
| HR6587           | DEF4:Unearthed /<br>Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6588           |                                                   |        |        | HR6587 (Lo-16bits)           |
| HR6589           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6590           |                                                   |        |        | HR6589 (Lo-16bits)           |
| HR6591           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6592           |                                                   |        |        | HR6591 (Lo-16bits)           |
| HR6593           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6594           |                                                   |        |        | HR6593 (Lo-16bits)           |
| HR6595           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6596           |                                                   |        |        | HR6595 (Lo-16bits)           |
| HR6597           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6598           |                                                   |        |        | HR6597 (Lo-16bits)           |
| HR6599           | DEF4:Resistive (I0Cosfi)<br>mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |

| Holding Register | Parameter                                      | Access | Length |                             |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6600           |                                                |        |        | HR6599 (Lo-16bits)          |
| HR6601           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6602           |                                                |        |        | HR6601 (Lo-16bits)          |
| HR6603           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6604           |                                                |        |        | HR6603 (Lo-16bits)          |
| HR6605           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6606           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6607           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6608           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6609           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6610           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6611           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6612           | DEF4:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used;1=Is Used        |
| HR6613           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6614           |                                                |        |        | HR6613 (Lo-16bits)          |
| HR6615           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6616           |                                                |        |        | HR6615 (Lo-16bits)          |
| HR6617           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6618           |                                                |        |        | HR6617 (Lo-16bits)          |
| HR6619           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6620           |                                                |        |        | HR6619 (Lo-16bits)          |
| HR6621           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6622           |                                                |        |        | HR6621 (Lo-16bits)          |
| HR6623           | DEF4:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6624           |                                                |        |        | HR6623 (Lo-16bits)          |

| Holding Register | Parameter                                        | Access | Length |                                |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6625           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6626           |                                                  |        |        | HR6625 (Lo-16bits)             |
| HR6627           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6628           |                                                  |        |        | HR6627 (Lo-16bits)             |
| HR6629           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6630           |                                                  |        |        | HR6629 (Lo-16bits)             |
| HR6631           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6632           |                                                  |        |        | HR6631 (Lo-16bits)             |
| HR6633           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6634           |                                                  |        |        | HR6633 (Lo-16bits)             |
| HR6635           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6636           |                                                  |        |        | HR6635 (Lo-16bits)             |
| HR6637           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6638           |                                                  |        |        | HR6637 (Lo-16bits)             |
| HR6639           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6640           |                                                  |        |        | HR6639 (Lo-16bits)             |
| HR6641           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6642           |                                                  |        |        | HR6641 (Lo-16bits)             |
| HR6643           | DEF4:Unearth. Pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6644           |                                                  |        |        | HR6643 (Lo-16bits)             |
| HR6645           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6646           |                                                  |        |        | HR6645 (Lo-16bits)             |
| HR6647           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6648           |                                                  |        |        | HR6647 (Lo-16bits)             |
| HR6649           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                       | Access | Length |                                |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR6650           |                                                 |        |        | HR6649 (Lo-16bits)             |
| HR6651           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6652           |                                                 |        |        | HR6651 (Lo-16bits)             |
| HR6653           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6654           |                                                 |        |        | HR6653 (Lo-16bits)             |
| HR6655           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6656           |                                                 |        |        | HR6655 (Lo-16bits)             |
| HR6657           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6658           |                                                 |        |        | HR6657 (Lo-16bits)             |
| HR6659           | DEF4:Unearth. Pick-up setting U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6660           |                                                 |        |        | HR6659 (Lo-16bits)             |
| HR6661           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6662           |                                                 |        |        | HR6661 (Lo-16bits)             |
| HR6663           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6664           |                                                 |        |        | HR6663 (Lo-16bits)             |
| HR6665           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6666           |                                                 |        |        | HR6665 (Lo-16bits)             |
| HR6667           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6668           |                                                 |        |        | HR6667 (Lo-16bits)             |
| HR6669           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6670           |                                                 |        |        | HR6669 (Lo-16bits)             |
| HR6671           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6672           |                                                 |        |        | HR6671 (Lo-16bits)             |
| HR6673           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6674           |                                                 |        |        | HR6673 (Lo-16bits)             |
| HR6675           | DEF4:Trip area size (+/-)                       | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6676           |                                                 |        |        | HR6675 (Lo-16bits)             |
| HR6677           | DEF4:Trip area center                           | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |

| Holding Register | Parameter                                        | Access | Length |                                                       |
|------------------|--------------------------------------------------|--------|--------|-------------------------------------------------------|
| HR6678           |                                                  |        |        | HR6677 (Lo-16bits)                                    |
| HR6679           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6680           |                                                  |        |        | HR6679 (Lo-16bits)                                    |
| HR6681           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6682           |                                                  |        |        | HR6681 (Lo-16bits)                                    |
| HR6683           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6684           |                                                  |        |        | HR6683 (Lo-16bits)                                    |
| HR6685           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6686           |                                                  |        |        | HR6685 (Lo-16bits)                                    |
| HR6687           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6688           |                                                  |        |        | HR6687 (Lo-16bits)                                    |
| HR6689           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6690           |                                                  |        |        | HR6689 (Lo-16bits)                                    |
| HR6691           | DEF4:Trip area center                            | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                        |
| HR6692           |                                                  |        |        | HR6691 (Lo-16bits)                                    |
| HR6693           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6694           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6695           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6696           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6697           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6698           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6699           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6700           | DEF4:Delay type of<br>broadrange characteristics | R(W)   | 1      | 0=Common time;1=Separate times for I0Cosfi and I0Sinf |
| HR6701           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                           |
| HR6702           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                           |
| HR6703           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT;1=IDMT                                           |

| Holding Register | Parameter                                       | Access | Length |                              |
|------------------|-------------------------------------------------|--------|--------|------------------------------|
| HR6704           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6705           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6706           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6707           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6708           | DEF4:Delay type                                 | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6709           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6710           |                                                 |        |        | HR6709 (Lo-16bits)           |
| HR6711           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6712           |                                                 |        |        | HR6711 (Lo-16bits)           |
| HR6713           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6714           |                                                 |        |        | HR6713 (Lo-16bits)           |
| HR6715           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6716           |                                                 |        |        | HR6715 (Lo-16bits)           |
| HR6717           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6718           |                                                 |        |        | HR6717 (Lo-16bits)           |
| HR6719           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6720           |                                                 |        |        | HR6719 (Lo-16bits)           |
| HR6721           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6722           |                                                 |        |        | HR6721 (Lo-16bits)           |
| HR6723           | DEF4:Definite operating time delay(Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6724           |                                                 |        |        | HR6723 (Lo-16bits)           |
| HR6725           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6726           |                                                 |        |        | HR6725 (Lo-16bits)           |
| HR6727           | DEF4:Definite operating time delay(Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6728           |                                                 |        |        | HR6727 (Lo-16bits)           |



| Holding Register | Parameter                                     | Access | Length |                              |
|------------------|-----------------------------------------------|--------|--------|------------------------------|
| HR6729           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6730           |                                               |        |        | HR6729 (Lo-16bits)           |
| HR6731           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6732           |                                               |        |        | HR6731 (Lo-16bits)           |
| HR6733           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6734           |                                               |        |        | HR6733 (Lo-16bits)           |
| HR6735           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6736           |                                               |        |        | HR6735 (Lo-16bits)           |
| HR6737           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6738           |                                               |        |        | HR6737 (Lo-16bits)           |
| HR6739           | DEF4:Definite operating time delay(Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6740           |                                               |        |        | HR6739 (Lo-16bits)           |
| HR6741           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6742           |                                               |        |        | HR6741 (Lo-16bits)           |
| HR6743           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6744           |                                               |        |        | HR6743 (Lo-16bits)           |
| HR6745           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6746           |                                               |        |        | HR6745 (Lo-16bits)           |
| HR6747           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6748           |                                               |        |        | HR6747 (Lo-16bits)           |
| HR6749           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6750           |                                               |        |        | HR6749 (Lo-16bits)           |
| HR6751           | DEF4:Definite (minimum) operating time delay  | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6752           |                                               |        |        | HR6751 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR6753           | DEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6754           |                                              |        |        | HR6753 (Lo-16bits)                                          |
| HR6755           | DEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR6756           |                                              |        |        | HR6755 (Lo-16bits)                                          |
| HR6757           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6758           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6759           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6760           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6761           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6762           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6763           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6764           | DEF4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR6765           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6766           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6767           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6768           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6769           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6770           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6771           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6772           | DEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR6773           | DEF4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6774           | DEF4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6775           | DEF4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR6776           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6777           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6778           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6779           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6780           | DEF4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR6781           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6782           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6783           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6784           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6785           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6786           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6787           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6788           | DEF4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type                                         |
| HR6789           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6790           |                               |        |        | HR6789 (Lo-16bits)                                          |
| HR6791           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6792           |                               |        |        | HR6791 (Lo-16bits)                                          |
| HR6793           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6794           |                               |        |        | HR6793 (Lo-16bits)                                          |
| HR6795           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6796           |                               |        |        | HR6795 (Lo-16bits)                                          |
| HR6797           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR6798           |                               |        |        | HR6797 (Lo-16bits)                                          |
| HR6799           | DEF4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6800           |                          |        |        | HR6799 (Lo-16bits)            |
| HR6801           | DEF4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6802           |                          |        |        | HR6801 (Lo-16bits)            |
| HR6803           | DEF4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6804           |                          |        |        | HR6803 (Lo-16bits)            |
| HR6805           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6806           |                          |        |        | HR6805 (Lo-16bits)            |
| HR6807           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6808           |                          |        |        | HR6807 (Lo-16bits)            |
| HR6809           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6810           |                          |        |        | HR6809 (Lo-16bits)            |
| HR6811           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6812           |                          |        |        | HR6811 (Lo-16bits)            |
| HR6813           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6814           |                          |        |        | HR6813 (Lo-16bits)            |
| HR6815           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6816           |                          |        |        | HR6815 (Lo-16bits)            |
| HR6817           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6818           |                          |        |        | HR6817 (Lo-16bits)            |
| HR6819           | DEF4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6820           |                          |        |        | HR6819 (Lo-16bits)            |
| HR6821           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6822           |                          |        |        | HR6821 (Lo-16bits)            |
| HR6823           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6824           |                          |        |        | HR6823 (Lo-16bits)            |
| HR6825           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6826           |                          |        |        | HR6825 (Lo-16bits)            |
| HR6827           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6828           |                          |        |        | HR6827 (Lo-16bits)            |
| HR6829           | DEF4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6830           |                                                    |        |        | HR6829 (Lo-16bits)          |
| HR6831           | DEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6832           |                                                    |        |        | HR6831 (Lo-16bits)          |
| HR6833           | DEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6834           |                                                    |        |        | HR6833 (Lo-16bits)          |
| HR6835           | DEF4:IDMT Const. B                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6836           |                                                    |        |        | HR6835 (Lo-16bits)          |
| HR6837           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6838           |                                                    |        |        | HR6837 (Lo-16bits)          |
| HR6839           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6840           |                                                    |        |        | HR6839 (Lo-16bits)          |
| HR6841           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6842           |                                                    |        |        | HR6841 (Lo-16bits)          |
| HR6843           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6844           |                                                    |        |        | HR6843 (Lo-16bits)          |
| HR6845           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6846           |                                                    |        |        | HR6845 (Lo-16bits)          |
| HR6847           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6848           |                                                    |        |        | HR6847 (Lo-16bits)          |
| HR6849           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6850           |                                                    |        |        | HR6849 (Lo-16bits)          |
| HR6851           | DEF4:IDMT Const. C                                 | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6852           |                                                    |        |        | HR6851 (Lo-16bits)          |
| HR6853           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6854           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6855           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6856           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |
| HR6857           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                              |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR6858           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6859           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6860           | DEF4:Inrush Harmonic Blocking (Internal Only Trip) | R(W)   | 1      | 0=No;1=Yes                   |
| HR6861           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6862           |                                                    |        |        | HR6861 (Lo-16bits)           |
| HR6863           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6864           |                                                    |        |        | HR6863 (Lo-16bits)           |
| HR6865           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6866           |                                                    |        |        | HR6865 (Lo-16bits)           |
| HR6867           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6868           |                                                    |        |        | HR6867 (Lo-16bits)           |
| HR6869           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6870           |                                                    |        |        | HR6869 (Lo-16bits)           |
| HR6871           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6872           |                                                    |        |        | HR6871 (Lo-16bits)           |
| HR6873           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6874           |                                                    |        |        | HR6873 (Lo-16bits)           |
| HR6875           | DEF4:2.nd Harmonic Block Limit (lharm / Ifund)     | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6876           |                                                    |        |        | HR6875 (Lo-16bits)           |
| HR6877           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6878           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6879           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |
| HR6880           | DEF4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR6881           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6882           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6883           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6884           | DEF4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR6885           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6886           |                                            |        |        | HR6885 (Lo-16bits)          |
| HR6887           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6888           |                                            |        |        | HR6887 (Lo-16bits)          |
| HR6889           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6890           |                                            |        |        | HR6889 (Lo-16bits)          |
| HR6891           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6892           |                                            |        |        | HR6891 (Lo-16bits)          |
| HR6893           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6894           |                                            |        |        | HR6893 (Lo-16bits)          |
| HR6895           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6896           |                                            |        |        | HR6895 (Lo-16bits)          |
| HR6897           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6898           |                                            |        |        | HR6897 (Lo-16bits)          |
| HR6899           | DEF4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6900           |                                            |        |        | HR6899 (Lo-16bits)          |
| HR6901           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6902           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6903           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6904           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR6905           | DEF4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR6906           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR6907           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR6908           | DEF4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR6909           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6910           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6911           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6912           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6913           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6914           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6915           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6916           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR6917           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6918           |                                                    |        |        | HR6917 (Lo-16bits)            |
| HR6919           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6920           |                                                    |        |        | HR6919 (Lo-16bits)            |
| HR6921           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6922           |                                                    |        |        | HR6921 (Lo-16bits)            |
| HR6923           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6924           |                                                    |        |        | HR6923 (Lo-16bits)            |



| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR6925           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6926           |                               |        |        | HR6925 (Lo-16bits)            |
| HR6927           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6928           |                               |        |        | HR6927 (Lo-16bits)            |
| HR6929           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6930           |                               |        |        | HR6929 (Lo-16bits)            |
| HR6931           | CUB1:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6932           |                               |        |        | HR6931 (Lo-16bits)            |
| HR6933           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6934           |                               |        |        | HR6933 (Lo-16bits)            |
| HR6935           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6936           |                               |        |        | HR6935 (Lo-16bits)            |
| HR6937           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6938           |                               |        |        | HR6937 (Lo-16bits)            |
| HR6939           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6940           |                               |        |        | HR6939 (Lo-16bits)            |
| HR6941           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6942           |                               |        |        | HR6941 (Lo-16bits)            |
| HR6943           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6944           |                               |        |        | HR6943 (Lo-16bits)            |
| HR6945           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6946           |                               |        |        | HR6945 (Lo-16bits)            |
| HR6947           | CUB1:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6948           |                               |        |        | HR6947 (Lo-16bits)            |
| HR6949           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR6950           |                               |        |        | HR6949 (Lo-16bits)            |
| HR6951           | CUB1:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6952           |                                              |        |        | HR6951 (Lo-16bits)           |
| HR6953           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6954           |                                              |        |        | HR6953 (Lo-16bits)           |
| HR6955           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6956           |                                              |        |        | HR6955 (Lo-16bits)           |
| HR6957           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6958           |                                              |        |        | HR6957 (Lo-16bits)           |
| HR6959           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6960           |                                              |        |        | HR6959 (Lo-16bits)           |
| HR6961           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6962           |                                              |        |        | HR6961 (Lo-16bits)           |
| HR6963           | CUB1:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6964           |                                              |        |        | HR6963 (Lo-16bits)           |
| HR6965           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6966           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6967           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6968           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6969           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6970           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6971           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6972           | CUB1:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR6973           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6974           |                                              |        |        | HR6973 (Lo-16bits)           |
| HR6975           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6976           |                                              |        |        | HR6975 (Lo-16bits)           |
| HR6977           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6978           |                                              |        |        | HR6977 (Lo-16bits)           |
| HR6979           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6980           |                                              |        |        | HR6979 (Lo-16bits)           |
| HR6981           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6982           |                                              |        |        | HR6981 (Lo-16bits)           |
| HR6983           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6984           |                                              |        |        | HR6983 (Lo-16bits)           |
| HR6985           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6986           |                                              |        |        | HR6985 (Lo-16bits)           |
| HR6987           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6988           |                                              |        |        | HR6987 (Lo-16bits)           |
| HR6989           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6990           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6991           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6992           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6993           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6994           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6995           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6996           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR6997           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6998           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR6999           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7000           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7001           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |
| HR7002           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7003           | CUB1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7004           | CUB1:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7005           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7006           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7007           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7008           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7009           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7010           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7011           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7012           | CUB1:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7013           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7014           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7015           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7016           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7017           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7018           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7019           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7020           | CUB1:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7021           | CUB1:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7022           |                                |        |        | HR7021 (Lo-16bits)                                          |
| HR7023           | CUB1:Time dial setting k       | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7024           |                          |        |        | HR7023 (Lo-16bits)            |
| HR7025           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7026           |                          |        |        | HR7025 (Lo-16bits)            |
| HR7027           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7028           |                          |        |        | HR7027 (Lo-16bits)            |
| HR7029           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7030           |                          |        |        | HR7029 (Lo-16bits)            |
| HR7031           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7032           |                          |        |        | HR7031 (Lo-16bits)            |
| HR7033           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7034           |                          |        |        | HR7033 (Lo-16bits)            |
| HR7035           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7036           |                          |        |        | HR7035 (Lo-16bits)            |
| HR7037           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7038           |                          |        |        | HR7037 (Lo-16bits)            |
| HR7039           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7040           |                          |        |        | HR7039 (Lo-16bits)            |
| HR7041           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7042           |                          |        |        | HR7041 (Lo-16bits)            |
| HR7043           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7044           |                          |        |        | HR7043 (Lo-16bits)            |
| HR7045           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7046           |                          |        |        | HR7045 (Lo-16bits)            |
| HR7047           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7048           |                          |        |        | HR7047 (Lo-16bits)            |
| HR7049           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7050           |                          |        |        | HR7049 (Lo-16bits)            |
| HR7051           | CUB1:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7052           |                          |        |        | HR7051 (Lo-16bits)            |
| HR7053           | CUB1:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7054           |                    |        |        | HR7053 (Lo-16bits)          |
| HR7055           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7056           |                    |        |        | HR7055 (Lo-16bits)          |
| HR7057           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7058           |                    |        |        | HR7057 (Lo-16bits)          |
| HR7059           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7060           |                    |        |        | HR7059 (Lo-16bits)          |
| HR7061           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7062           |                    |        |        | HR7061 (Lo-16bits)          |
| HR7063           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7064           |                    |        |        | HR7063 (Lo-16bits)          |
| HR7065           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7066           |                    |        |        | HR7065 (Lo-16bits)          |
| HR7067           | CUB1:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7068           |                    |        |        | HR7067 (Lo-16bits)          |
| HR7069           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7070           |                    |        |        | HR7069 (Lo-16bits)          |
| HR7071           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7072           |                    |        |        | HR7071 (Lo-16bits)          |
| HR7073           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7074           |                    |        |        | HR7073 (Lo-16bits)          |
| HR7075           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7076           |                    |        |        | HR7075 (Lo-16bits)          |
| HR7077           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7078           |                    |        |        | HR7077 (Lo-16bits)          |
| HR7079           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7080           |                    |        |        | HR7079 (Lo-16bits)          |
| HR7081           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7082           |                    |        |        | HR7081 (Lo-16bits)          |
| HR7083           | CUB1:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR7084           |                                            |        |        | HR7083 (Lo-16bits)          |
| HR7085           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7086           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7087           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7088           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7089           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7090           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7091           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7092           | CUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7093           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7094           |                                            |        |        | HR7093 (Lo-16bits)          |
| HR7095           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7096           |                                            |        |        | HR7095 (Lo-16bits)          |
| HR7097           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7098           |                                            |        |        | HR7097 (Lo-16bits)          |
| HR7099           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7100           |                                            |        |        | HR7099 (Lo-16bits)          |
| HR7101           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7102           |                                            |        |        | HR7101 (Lo-16bits)          |
| HR7103           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7104           |                                            |        |        | HR7103 (Lo-16bits)          |
| HR7105           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7106           |                                            |        |        | HR7105 (Lo-16bits)          |
| HR7107           | CUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7108           |                                            |        |        | HR7107 (Lo-16bits)          |
| HR7109           | CUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7110           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7111           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7112           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7113           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7114           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7115           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7116           | CUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                    |
| HR7117           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7118           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7119           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7120           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7121           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7122           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7123           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7124           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7125           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7126           |                                                    |        |        | HR7125 (Lo-16bits)            |
| HR7127           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |



| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7128           |                               |        |        | HR7127 (Lo-16bits)            |
| HR7129           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7130           |                               |        |        | HR7129 (Lo-16bits)            |
| HR7131           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7132           |                               |        |        | HR7131 (Lo-16bits)            |
| HR7133           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7134           |                               |        |        | HR7133 (Lo-16bits)            |
| HR7135           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7136           |                               |        |        | HR7135 (Lo-16bits)            |
| HR7137           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7138           |                               |        |        | HR7137 (Lo-16bits)            |
| HR7139           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7140           |                               |        |        | HR7139 (Lo-16bits)            |
| HR7141           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7142           |                               |        |        | HR7141 (Lo-16bits)            |
| HR7143           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7144           |                               |        |        | HR7143 (Lo-16bits)            |
| HR7145           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7146           |                               |        |        | HR7145 (Lo-16bits)            |
| HR7147           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7148           |                               |        |        | HR7147 (Lo-16bits)            |
| HR7149           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7150           |                               |        |        | HR7149 (Lo-16bits)            |
| HR7151           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7152           |                               |        |        | HR7151 (Lo-16bits)            |
| HR7153           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7154           |                               |        |        | HR7153 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7155           | CUB2:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7156           |                            |        |        | HR7155 (Lo-16bits)           |
| HR7157           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7158           |                            |        |        | HR7157 (Lo-16bits)           |
| HR7159           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7160           |                            |        |        | HR7159 (Lo-16bits)           |
| HR7161           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7162           |                            |        |        | HR7161 (Lo-16bits)           |
| HR7163           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7164           |                            |        |        | HR7163 (Lo-16bits)           |
| HR7165           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7166           |                            |        |        | HR7165 (Lo-16bits)           |
| HR7167           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7168           |                            |        |        | HR7167 (Lo-16bits)           |
| HR7169           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7170           |                            |        |        | HR7169 (Lo-16bits)           |
| HR7171           | CUB2:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7172           |                            |        |        | HR7171 (Lo-16bits)           |
| HR7173           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7174           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7175           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7176           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7177           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7178           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7179           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7180           | CUB2:Delay type            | R(W)   | 1      | 0=DT;1=IDMT                  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7181           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7182           |                                              |        |        | HR7181 (Lo-16bits)           |
| HR7183           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7184           |                                              |        |        | HR7183 (Lo-16bits)           |
| HR7185           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7186           |                                              |        |        | HR7185 (Lo-16bits)           |
| HR7187           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7188           |                                              |        |        | HR7187 (Lo-16bits)           |
| HR7189           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7190           |                                              |        |        | HR7189 (Lo-16bits)           |
| HR7191           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7192           |                                              |        |        | HR7191 (Lo-16bits)           |
| HR7193           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7194           |                                              |        |        | HR7193 (Lo-16bits)           |
| HR7195           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7196           |                                              |        |        | HR7195 (Lo-16bits)           |
| HR7197           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7198           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7199           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7200           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7201           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7202           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7203           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7204           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7205           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7206           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7207           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7208           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7209           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7210           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7211           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7212           | CUB2:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7213           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7214           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7215           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7216           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7217           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7218           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7219           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7220           | CUB2:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7221           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7222           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7223           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7224           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7225           | CUB2:Non standard Delay char.  | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7226           | CUB2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7227           | CUB2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7228           | CUB2:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7229           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7230           |                               |        |        | HR7229 (Lo-16bits)            |
| HR7231           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7232           |                               |        |        | HR7231 (Lo-16bits)            |
| HR7233           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7234           |                               |        |        | HR7233 (Lo-16bits)            |
| HR7235           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7236           |                               |        |        | HR7235 (Lo-16bits)            |
| HR7237           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7238           |                               |        |        | HR7237 (Lo-16bits)            |
| HR7239           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7240           |                               |        |        | HR7239 (Lo-16bits)            |
| HR7241           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7242           |                               |        |        | HR7241 (Lo-16bits)            |
| HR7243           | CUB2:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7244           |                               |        |        | HR7243 (Lo-16bits)            |
| HR7245           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7246           |                               |        |        | HR7245 (Lo-16bits)            |
| HR7247           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7248           |                               |        |        | HR7247 (Lo-16bits)            |
| HR7249           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7250           |                               |        |        | HR7249 (Lo-16bits)            |
| HR7251           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7252           |                               |        |        | HR7251 (Lo-16bits)            |
| HR7253           | CUB2:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7254           |                               |        |        | HR7253 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7255           | CUB2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7256           |                    |        |        | HR7255 (Lo-16bits)          |
| HR7257           | CUB2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7258           |                    |        |        | HR7257 (Lo-16bits)          |
| HR7259           | CUB2:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7260           |                    |        |        | HR7259 (Lo-16bits)          |
| HR7261           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7262           |                    |        |        | HR7261 (Lo-16bits)          |
| HR7263           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7264           |                    |        |        | HR7263 (Lo-16bits)          |
| HR7265           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7266           |                    |        |        | HR7265 (Lo-16bits)          |
| HR7267           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7268           |                    |        |        | HR7267 (Lo-16bits)          |
| HR7269           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7270           |                    |        |        | HR7269 (Lo-16bits)          |
| HR7271           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7272           |                    |        |        | HR7271 (Lo-16bits)          |
| HR7273           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7274           |                    |        |        | HR7273 (Lo-16bits)          |
| HR7275           | CUB2:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7276           |                    |        |        | HR7275 (Lo-16bits)          |
| HR7277           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7278           |                    |        |        | HR7277 (Lo-16bits)          |
| HR7279           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7280           |                    |        |        | HR7279 (Lo-16bits)          |
| HR7281           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7282           |                    |        |        | HR7281 (Lo-16bits)          |
| HR7283           | CUB2:IDMT Const. C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7284           |                    |        |        | HR7283 (Lo-16bits)          |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7285           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7286           |                              |        |        | HR7285 (Lo-16bits)          |
| HR7287           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7288           |                              |        |        | HR7287 (Lo-16bits)          |
| HR7289           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7290           |                              |        |        | HR7289 (Lo-16bits)          |
| HR7291           | CUB2:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7292           |                              |        |        | HR7291 (Lo-16bits)          |
| HR7293           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7294           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7295           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7296           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7297           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7298           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7299           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7300           | CUB2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7301           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7302           |                              |        |        | HR7301 (Lo-16bits)          |
| HR7303           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7304           |                              |        |        | HR7303 (Lo-16bits)          |
| HR7305           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7306           |                              |        |        | HR7305 (Lo-16bits)          |
| HR7307           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7308           |                              |        |        | HR7307 (Lo-16bits)          |
| HR7309           | CUB2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7310           |                              |        |        | HR7309 (Lo-16bits)          |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7311           | CUB2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7312           |                                                    |        |        | HR7311 (Lo-16bits)          |
| HR7313           | CUB2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7314           |                                                    |        |        | HR7313 (Lo-16bits)          |
| HR7315           | CUB2:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7316           |                                                    |        |        | HR7315 (Lo-16bits)          |
| HR7317           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7318           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7319           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7320           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7321           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7322           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7323           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7324           | CUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7325           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7326           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7327           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7328           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7329           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7330           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7331           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7332           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7333           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7334           |                                                    |        |        | HR7333 (Lo-16bits)            |
| HR7335           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7336           |                                                    |        |        | HR7335 (Lo-16bits)            |
| HR7337           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7338           |                                                    |        |        | HR7337 (Lo-16bits)            |
| HR7339           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7340           |                                                    |        |        | HR7339 (Lo-16bits)            |
| HR7341           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7342           |                                                    |        |        | HR7341 (Lo-16bits)            |
| HR7343           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7344           |                                                    |        |        | HR7343 (Lo-16bits)            |
| HR7345           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7346           |                                                    |        |        | HR7345 (Lo-16bits)            |
| HR7347           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7348           |                                                    |        |        | HR7347 (Lo-16bits)            |
| HR7349           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7350           |                                                    |        |        | HR7349 (Lo-16bits)            |
| HR7351           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7352           |                                                    |        |        | HR7351 (Lo-16bits)            |
| HR7353           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7354           |                                                    |        |        | HR7353 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length |                              |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7355           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7356           |                            |        |        | HR7355 (Lo-16bits)           |
| HR7357           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7358           |                            |        |        | HR7357 (Lo-16bits)           |
| HR7359           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7360           |                            |        |        | HR7359 (Lo-16bits)           |
| HR7361           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7362           |                            |        |        | HR7361 (Lo-16bits)           |
| HR7363           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7364           |                            |        |        | HR7363 (Lo-16bits)           |
| HR7365           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7366           |                            |        |        | HR7365 (Lo-16bits)           |
| HR7367           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7368           |                            |        |        | HR7367 (Lo-16bits)           |
| HR7369           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7370           |                            |        |        | HR7369 (Lo-16bits)           |
| HR7371           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7372           |                            |        |        | HR7371 (Lo-16bits)           |
| HR7373           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7374           |                            |        |        | HR7373 (Lo-16bits)           |
| HR7375           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7376           |                            |        |        | HR7375 (Lo-16bits)           |
| HR7377           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7378           |                            |        |        | HR7377 (Lo-16bits)           |
| HR7379           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7380           |                            |        |        | HR7379 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7381           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7382           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7383           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7384           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7385           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7386           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7387           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7388           | CUB3:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7389           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7390           |                                              |        |        | HR7389 (Lo-16bits)           |
| HR7391           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7392           |                                              |        |        | HR7391 (Lo-16bits)           |
| HR7393           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7394           |                                              |        |        | HR7393 (Lo-16bits)           |
| HR7395           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7396           |                                              |        |        | HR7395 (Lo-16bits)           |
| HR7397           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7398           |                                              |        |        | HR7397 (Lo-16bits)           |
| HR7399           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7400           |                                              |        |        | HR7399 (Lo-16bits)           |
| HR7401           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7402           |                                              |        |        | HR7401 (Lo-16bits)           |
| HR7403           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7404           |                                              |        |        | HR7403 (Lo-16bits)           |
| HR7405           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |
| HR7406           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard  |

| Holding Register | Parameter                      | Access | Length |                                                             |
|------------------|--------------------------------|--------|--------|-------------------------------------------------------------|
| HR7407           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7408           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7409           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7410           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7411           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7412           | CUB3:Delay curve series        | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7413           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7414           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7415           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7416           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7417           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7418           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7419           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7420           | CUB3:Delay characteristics IEC | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7421           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7422           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7423           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7424           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7425           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7426           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7427           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7428           | CUB3:Delay char. ANSI/IEEE     | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7429           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7430           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7431           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7432           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7433           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7434           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7435           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7436           | CUB3:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2  |
| HR7437           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7438           |                               |        |        | HR7437 (Lo-16bits)            |
| HR7439           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7440           |                               |        |        | HR7439 (Lo-16bits)            |
| HR7441           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7442           |                               |        |        | HR7441 (Lo-16bits)            |
| HR7443           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7444           |                               |        |        | HR7443 (Lo-16bits)            |
| HR7445           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7446           |                               |        |        | HR7445 (Lo-16bits)            |
| HR7447           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7448           |                               |        |        | HR7447 (Lo-16bits)            |
| HR7449           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7450           |                               |        |        | HR7449 (Lo-16bits)            |
| HR7451           | CUB3:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7452           |                               |        |        | HR7451 (Lo-16bits)            |
| HR7453           | CUB3:IDMT Const. A            | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7454           |                               |        |        | HR7453 (Lo-16bits)            |

| Holding Register | Parameter          | Access | Length |                             |
|------------------|--------------------|--------|--------|-----------------------------|
| HR7455           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7456           |                    |        |        | HR7455 (Lo-16bits)          |
| HR7457           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7458           |                    |        |        | HR7457 (Lo-16bits)          |
| HR7459           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7460           |                    |        |        | HR7459 (Lo-16bits)          |
| HR7461           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7462           |                    |        |        | HR7461 (Lo-16bits)          |
| HR7463           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7464           |                    |        |        | HR7463 (Lo-16bits)          |
| HR7465           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7466           |                    |        |        | HR7465 (Lo-16bits)          |
| HR7467           | CUB3:IDMT Const. A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7468           |                    |        |        | HR7467 (Lo-16bits)          |
| HR7469           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7470           |                    |        |        | HR7469 (Lo-16bits)          |
| HR7471           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7472           |                    |        |        | HR7471 (Lo-16bits)          |
| HR7473           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7474           |                    |        |        | HR7473 (Lo-16bits)          |
| HR7475           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7476           |                    |        |        | HR7475 (Lo-16bits)          |
| HR7477           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7478           |                    |        |        | HR7477 (Lo-16bits)          |
| HR7479           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7480           |                    |        |        | HR7479 (Lo-16bits)          |
| HR7481           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7482           |                    |        |        | HR7481 (Lo-16bits)          |
| HR7483           | CUB3:IDMT Const. B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7484           |                    |        |        | HR7483 (Lo-16bits)          |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7485           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7486           |                              |        |        | HR7485 (Lo-16bits)          |
| HR7487           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7488           |                              |        |        | HR7487 (Lo-16bits)          |
| HR7489           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7490           |                              |        |        | HR7489 (Lo-16bits)          |
| HR7491           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7492           |                              |        |        | HR7491 (Lo-16bits)          |
| HR7493           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7494           |                              |        |        | HR7493 (Lo-16bits)          |
| HR7495           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7496           |                              |        |        | HR7495 (Lo-16bits)          |
| HR7497           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7498           |                              |        |        | HR7497 (Lo-16bits)          |
| HR7499           | CUB3:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7500           |                              |        |        | HR7499 (Lo-16bits)          |
| HR7501           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7502           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7503           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7504           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7505           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7506           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7507           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7508           | CUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7509           | CUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7510           |                              |        |        | HR7509 (Lo-16bits)          |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7511           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7512           |                                                    |        |        | HR7511 (Lo-16bits)          |
| HR7513           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7514           |                                                    |        |        | HR7513 (Lo-16bits)          |
| HR7515           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7516           |                                                    |        |        | HR7515 (Lo-16bits)          |
| HR7517           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7518           |                                                    |        |        | HR7517 (Lo-16bits)          |
| HR7519           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7520           |                                                    |        |        | HR7519 (Lo-16bits)          |
| HR7521           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7522           |                                                    |        |        | HR7521 (Lo-16bits)          |
| HR7523           | CUB3:Release Time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7524           |                                                    |        |        | HR7523 (Lo-16bits)          |
| HR7525           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7526           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7527           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7528           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7529           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7530           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7531           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7532           | CUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR7533           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7534           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                               |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7535           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7536           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7537           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7538           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7539           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7540           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                    |
| HR7541           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7542           |                                                    |        |        | HR7541 (Lo-16bits)            |
| HR7543           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7544           |                                                    |        |        | HR7543 (Lo-16bits)            |
| HR7545           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7546           |                                                    |        |        | HR7545 (Lo-16bits)            |
| HR7547           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7548           |                                                    |        |        | HR7547 (Lo-16bits)            |
| HR7549           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7550           |                                                    |        |        | HR7549 (Lo-16bits)            |
| HR7551           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7552           |                                                    |        |        | HR7551 (Lo-16bits)            |
| HR7553           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7554           |                                                    |        |        | HR7553 (Lo-16bits)            |

| Holding Register | Parameter                     | Access | Length |                               |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7555           | CUB4:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7556           |                               |        |        | HR7555 (Lo-16bits)            |
| HR7557           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7558           |                               |        |        | HR7557 (Lo-16bits)            |
| HR7559           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7560           |                               |        |        | HR7559 (Lo-16bits)            |
| HR7561           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7562           |                               |        |        | HR7561 (Lo-16bits)            |
| HR7563           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7564           |                               |        |        | HR7563 (Lo-16bits)            |
| HR7565           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7566           |                               |        |        | HR7565 (Lo-16bits)            |
| HR7567           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7568           |                               |        |        | HR7567 (Lo-16bits)            |
| HR7569           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7570           |                               |        |        | HR7569 (Lo-16bits)            |
| HR7571           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7572           |                               |        |        | HR7571 (Lo-16bits)            |
| HR7573           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7574           |                               |        |        | HR7573 (Lo-16bits)            |
| HR7575           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7576           |                               |        |        | HR7575 (Lo-16bits)            |
| HR7577           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7578           |                               |        |        | HR7577 (Lo-16bits)            |
| HR7579           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7580           |                               |        |        | HR7579 (Lo-16bits)            |
| HR7581           | CUB4:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |

| Holding Register | Parameter                                    | Access | Length |                              |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7582           |                                              |        |        | HR7581 (Lo-16bits)           |
| HR7583           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7584           |                                              |        |        | HR7583 (Lo-16bits)           |
| HR7585           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7586           |                                              |        |        | HR7585 (Lo-16bits)           |
| HR7587           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7588           |                                              |        |        | HR7587 (Lo-16bits)           |
| HR7589           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7590           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7591           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7592           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7593           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7594           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7595           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7596           | CUB4:Delay type                              | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7597           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7598           |                                              |        |        | HR7597 (Lo-16bits)           |
| HR7599           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7600           |                                              |        |        | HR7599 (Lo-16bits)           |
| HR7601           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7602           |                                              |        |        | HR7601 (Lo-16bits)           |
| HR7603           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7604           |                                              |        |        | HR7603 (Lo-16bits)           |
| HR7605           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7606           |                                              |        |        | HR7605 (Lo-16bits)           |
| HR7607           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length |                                                             |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------|
| HR7608           |                                              |        |        | HR7607 (Lo-16bits)                                          |
| HR7609           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR7610           |                                              |        |        | HR7609 (Lo-16bits)                                          |
| HR7611           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                |
| HR7612           |                                              |        |        | HR7611 (Lo-16bits)                                          |
| HR7613           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7614           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7615           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7616           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7617           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7618           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7619           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7620           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC;1=IEEE;2=Non standard                                 |
| HR7621           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7622           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7623           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7624           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7625           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7626           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7627           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7628           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI;1=EI;2=VI;3=LTI;4=Param                                |
| HR7629           | CUB4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7630           | CUB4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7631           | CUB4:Delay char. ANSI/IEEE                   | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |

| Holding Register | Parameter                     | Access | Length |                                                             |
|------------------|-------------------------------|--------|--------|-------------------------------------------------------------|
| HR7632           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7633           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7634           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7635           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7636           | CUB4:Delay char. ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI;1=ANSI VI;2=ANSI EI;3=ANSI LTI;4=IEEE MI;5=IEEE V |
| HR7637           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7638           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7639           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7640           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7641           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7642           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7643           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7644           | CUB4:Non standard Delay char. | R(W)   | 1      | 0=RI-type;1=RD-type;2=Curve2                                |
| HR7645           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7646           |                               |        |        | HR7645 (Lo-16bits)                                          |
| HR7647           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7648           |                               |        |        | HR7647 (Lo-16bits)                                          |
| HR7649           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7650           |                               |        |        | HR7649 (Lo-16bits)                                          |
| HR7651           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7652           |                               |        |        | HR7651 (Lo-16bits)                                          |
| HR7653           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |
| HR7654           |                               |        |        | HR7653 (Lo-16bits)                                          |
| HR7655           | CUB4:Time dial setting k      | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                               |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7656           |                          |        |        | HR7655 (Lo-16bits)            |
| HR7657           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7658           |                          |        |        | HR7657 (Lo-16bits)            |
| HR7659           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7660           |                          |        |        | HR7659 (Lo-16bits)            |
| HR7661           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7662           |                          |        |        | HR7661 (Lo-16bits)            |
| HR7663           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7664           |                          |        |        | HR7663 (Lo-16bits)            |
| HR7665           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7666           |                          |        |        | HR7665 (Lo-16bits)            |
| HR7667           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7668           |                          |        |        | HR7667 (Lo-16bits)            |
| HR7669           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7670           |                          |        |        | HR7669 (Lo-16bits)            |
| HR7671           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7672           |                          |        |        | HR7671 (Lo-16bits)            |
| HR7673           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7674           |                          |        |        | HR7673 (Lo-16bits)            |
| HR7675           | CUB4:IDMT Const. A       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7676           |                          |        |        | HR7675 (Lo-16bits)            |
| HR7677           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7678           |                          |        |        | HR7677 (Lo-16bits)            |
| HR7679           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7680           |                          |        |        | HR7679 (Lo-16bits)            |
| HR7681           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7682           |                          |        |        | HR7681 (Lo-16bits)            |
| HR7683           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7684           |                          |        |        | HR7683 (Lo-16bits)            |
| HR7685           | CUB4:IDMT Const. B       | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter                    | Access | Length |                             |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7686           |                              |        |        | HR7685 (Lo-16bits)          |
| HR7687           | CUB4:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7688           |                              |        |        | HR7687 (Lo-16bits)          |
| HR7689           | CUB4:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7690           |                              |        |        | HR7689 (Lo-16bits)          |
| HR7691           | CUB4:IDMT Const. B           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7692           |                              |        |        | HR7691 (Lo-16bits)          |
| HR7693           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7694           |                              |        |        | HR7693 (Lo-16bits)          |
| HR7695           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7696           |                              |        |        | HR7695 (Lo-16bits)          |
| HR7697           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7698           |                              |        |        | HR7697 (Lo-16bits)          |
| HR7699           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7700           |                              |        |        | HR7699 (Lo-16bits)          |
| HR7701           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7702           |                              |        |        | HR7701 (Lo-16bits)          |
| HR7703           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7704           |                              |        |        | HR7703 (Lo-16bits)          |
| HR7705           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7706           |                              |        |        | HR7705 (Lo-16bits)          |
| HR7707           | CUB4:IDMT Const. C           | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7708           |                              |        |        | HR7707 (Lo-16bits)          |
| HR7709           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7710           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7711           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7712           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |
| HR7713           | CUB4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR7714           | CUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7715           | CUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7716           | CUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR7717           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7718           |                                            |        |        | HR7717 (Lo-16bits)          |
| HR7719           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7720           |                                            |        |        | HR7719 (Lo-16bits)          |
| HR7721           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7722           |                                            |        |        | HR7721 (Lo-16bits)          |
| HR7723           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7724           |                                            |        |        | HR7723 (Lo-16bits)          |
| HR7725           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7726           |                                            |        |        | HR7725 (Lo-16bits)          |
| HR7727           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7728           |                                            |        |        | HR7727 (Lo-16bits)          |
| HR7729           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7730           |                                            |        |        | HR7729 (Lo-16bits)          |
| HR7731           | CUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7732           |                                            |        |        | HR7731 (Lo-16bits)          |
| HR7733           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7734           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7735           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7736           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7737           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR7738           | CUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |



| Holding Register | Parameter                                          | Access | Length |                                       |
|------------------|----------------------------------------------------|--------|--------|---------------------------------------|
| HR7739           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7740           | CUB4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7741           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7742           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7743           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7744           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7745           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7746           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7747           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7748           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7749           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7750           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7751           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7752           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7753           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7754           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7755           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7756           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7757           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7758           |                                                    |        |        | HR7757 (Lo-16bits)                    |
| HR7759           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR7760           |                                   |        |        | HR7759 (Lo-16bits)           |
| HR7761           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7762           |                                   |        |        | HR7761 (Lo-16bits)           |
| HR7763           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7764           |                                   |        |        | HR7763 (Lo-16bits)           |
| HR7765           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7766           |                                   |        |        | HR7765 (Lo-16bits)           |
| HR7767           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7768           |                                   |        |        | HR7767 (Lo-16bits)           |
| HR7769           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7770           |                                   |        |        | HR7769 (Lo-16bits)           |
| HR7771           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7772           |                                   |        |        | HR7771 (Lo-16bits)           |
| HR7773           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7774           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7775           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7776           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7777           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7778           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7779           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7780           | OV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7781           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7782           |                                   |        |        | HR7781 (Lo-16bits)           |
| HR7783           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7784           |                                   |        |        | HR7783 (Lo-16bits)           |
| HR7785           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7786           |                                   |        |        | HR7785 (Lo-16bits)           |
| HR7787           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR7788           |                                   |        |        | HR7787 (Lo-16bits)            |
| HR7789           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7790           |                                   |        |        | HR7789 (Lo-16bits)            |
| HR7791           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7792           |                                   |        |        | HR7791 (Lo-16bits)            |
| HR7793           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7794           |                                   |        |        | HR7793 (Lo-16bits)            |
| HR7795           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7796           |                                   |        |        | HR7795 (Lo-16bits)            |
| HR7797           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7798           |                                   |        |        | HR7797 (Lo-16bits)            |
| HR7799           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7800           |                                   |        |        | HR7799 (Lo-16bits)            |
| HR7801           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7802           |                                   |        |        | HR7801 (Lo-16bits)            |
| HR7803           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7804           |                                   |        |        | HR7803 (Lo-16bits)            |
| HR7805           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7806           |                                   |        |        | HR7805 (Lo-16bits)            |
| HR7807           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7808           |                                   |        |        | HR7807 (Lo-16bits)            |
| HR7809           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7810           |                                   |        |        | HR7809 (Lo-16bits)            |
| HR7811           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7812           |                                   |        |        | HR7811 (Lo-16bits)            |
| HR7813           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7814           |                                   |        |        | HR7813 (Lo-16bits)            |
| HR7815           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR7816           |                             |        |        | HR7815 (Lo-16bits)            |
| HR7817           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7818           |                             |        |        | HR7817 (Lo-16bits)            |
| HR7819           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7820           |                             |        |        | HR7819 (Lo-16bits)            |
| HR7821           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7822           |                             |        |        | HR7821 (Lo-16bits)            |
| HR7823           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7824           |                             |        |        | HR7823 (Lo-16bits)            |
| HR7825           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7826           |                             |        |        | HR7825 (Lo-16bits)            |
| HR7827           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7828           |                             |        |        | HR7827 (Lo-16bits)            |
| HR7829           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7830           |                             |        |        | HR7829 (Lo-16bits)            |
| HR7831           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7832           |                             |        |        | HR7831 (Lo-16bits)            |
| HR7833           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7834           |                             |        |        | HR7833 (Lo-16bits)            |
| HR7835           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7836           |                             |        |        | HR7835 (Lo-16bits)            |
| HR7837           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7838           |                             |        |        | HR7837 (Lo-16bits)            |
| HR7839           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7840           |                             |        |        | HR7839 (Lo-16bits)            |
| HR7841           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7842           |                             |        |        | HR7841 (Lo-16bits)            |
| HR7843           | OV1:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7844           |                             |        |        | HR7843 (Lo-16bits)            |
| HR7845           | OV1:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR7846           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7847           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7848           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7849           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7850           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7851           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7852           | OV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR7853           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7854           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7855           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7856           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7857           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7858           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7859           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7860           | OV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR7861           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7862           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7863           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR7864           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7865           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7866           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7867           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7868           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7869           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7870           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7871           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7872           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7873           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7874           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7875           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7876           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7877           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7878           |                                                   |        |        | HR7877 (Lo-16bits)                    |
| HR7879           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7880           |                                                   |        |        | HR7879 (Lo-16bits)                    |
| HR7881           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7882           |                                                   |        |        | HR7881 (Lo-16bits)                    |
| HR7883           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7884           |                                                   |        |        | HR7883 (Lo-16bits)                    |
| HR7885           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7886           |                                                   |        |        | HR7885 (Lo-16bits)                    |
| HR7887           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7888           |                                                   |        |        | HR7887 (Lo-16bits)                    |
| HR7889           | OV2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7890           |                                                   |        |        | HR7889 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR7891           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR7892           |                                   |        |        | HR7891 (Lo-16bits)           |
| HR7893           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7894           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7895           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7896           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7897           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7898           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7899           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7900           | OV2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR7901           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7902           |                                   |        |        | HR7901 (Lo-16bits)           |
| HR7903           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7904           |                                   |        |        | HR7903 (Lo-16bits)           |
| HR7905           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7906           |                                   |        |        | HR7905 (Lo-16bits)           |
| HR7907           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7908           |                                   |        |        | HR7907 (Lo-16bits)           |
| HR7909           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7910           |                                   |        |        | HR7909 (Lo-16bits)           |
| HR7911           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7912           |                                   |        |        | HR7911 (Lo-16bits)           |
| HR7913           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7914           |                                   |        |        | HR7913 (Lo-16bits)           |
| HR7915           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7916           |                                   |        |        | HR7915 (Lo-16bits)           |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR7917           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7918           |                         |        |        | HR7917 (Lo-16bits)            |
| HR7919           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7920           |                         |        |        | HR7919 (Lo-16bits)            |
| HR7921           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7922           |                         |        |        | HR7921 (Lo-16bits)            |
| HR7923           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7924           |                         |        |        | HR7923 (Lo-16bits)            |
| HR7925           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7926           |                         |        |        | HR7925 (Lo-16bits)            |
| HR7927           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7928           |                         |        |        | HR7927 (Lo-16bits)            |
| HR7929           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7930           |                         |        |        | HR7929 (Lo-16bits)            |
| HR7931           | OV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7932           |                         |        |        | HR7931 (Lo-16bits)            |
| HR7933           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7934           |                         |        |        | HR7933 (Lo-16bits)            |
| HR7935           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7936           |                         |        |        | HR7935 (Lo-16bits)            |
| HR7937           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7938           |                         |        |        | HR7937 (Lo-16bits)            |
| HR7939           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7940           |                         |        |        | HR7939 (Lo-16bits)            |
| HR7941           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7942           |                         |        |        | HR7941 (Lo-16bits)            |
| HR7943           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7944           |                         |        |        | HR7943 (Lo-16bits)            |
| HR7945           | OV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7946           |                         |        |        | HR7945 (Lo-16bits)            |



| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR7947           | OV2:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7948           |                             |        |        | HR7947 (Lo-16bits)            |
| HR7949           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7950           |                             |        |        | HR7949 (Lo-16bits)            |
| HR7951           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7952           |                             |        |        | HR7951 (Lo-16bits)            |
| HR7953           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7954           |                             |        |        | HR7953 (Lo-16bits)            |
| HR7955           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7956           |                             |        |        | HR7955 (Lo-16bits)            |
| HR7957           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7958           |                             |        |        | HR7957 (Lo-16bits)            |
| HR7959           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7960           |                             |        |        | HR7959 (Lo-16bits)            |
| HR7961           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7962           |                             |        |        | HR7961 (Lo-16bits)            |
| HR7963           | OV2:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7964           |                             |        |        | HR7963 (Lo-16bits)            |
| HR7965           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7966           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7967           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7968           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7969           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7970           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7971           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR7972           | OV2:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7973           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7974           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7975           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7976           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7977           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7978           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7979           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7980           | OV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR7981           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7982           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7983           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7984           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7985           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7986           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7987           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7988           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR7989           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7990           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |

| Holding Register | Parameter                | Access | Length |                                       |
|------------------|--------------------------|--------|--------|---------------------------------------|
| HR7991           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7992           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7993           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7994           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7995           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7996           | OV3:Pick-up terms        | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR7997           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR7998           |                          |        |        | HR7997 (Lo-16bits)                    |
| HR7999           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8000           |                          |        |        | HR7999 (Lo-16bits)                    |
| HR8001           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8002           |                          |        |        | HR8001 (Lo-16bits)                    |
| HR8003           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8004           |                          |        |        | HR8003 (Lo-16bits)                    |
| HR8005           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8006           |                          |        |        | HR8005 (Lo-16bits)                    |
| HR8007           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8008           |                          |        |        | HR8007 (Lo-16bits)                    |
| HR8009           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8010           |                          |        |        | HR8009 (Lo-16bits)                    |
| HR8011           | OV3:Pick-up setting Uset | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8012           |                          |        |        | HR8011 (Lo-16bits)                    |
| HR8013           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8014           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8015           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8016           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8017           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8018           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8019           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |
| HR8020           | OV3:Delay type           | R(W)   | 1      | 0=DT;1=IDMT                           |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8021           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8022           |                                   |        |        | HR8021 (Lo-16bits)            |
| HR8023           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8024           |                                   |        |        | HR8023 (Lo-16bits)            |
| HR8025           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8026           |                                   |        |        | HR8025 (Lo-16bits)            |
| HR8027           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8028           |                                   |        |        | HR8027 (Lo-16bits)            |
| HR8029           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8030           |                                   |        |        | HR8029 (Lo-16bits)            |
| HR8031           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8032           |                                   |        |        | HR8031 (Lo-16bits)            |
| HR8033           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8034           |                                   |        |        | HR8033 (Lo-16bits)            |
| HR8035           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8036           |                                   |        |        | HR8035 (Lo-16bits)            |
| HR8037           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8038           |                                   |        |        | HR8037 (Lo-16bits)            |
| HR8039           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8040           |                                   |        |        | HR8039 (Lo-16bits)            |
| HR8041           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8042           |                                   |        |        | HR8041 (Lo-16bits)            |
| HR8043           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8044           |                                   |        |        | HR8043 (Lo-16bits)            |
| HR8045           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8046           |                                   |        |        | HR8045 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8047           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8048           |                         |        |        | HR8047 (Lo-16bits)            |
| HR8049           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8050           |                         |        |        | HR8049 (Lo-16bits)            |
| HR8051           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8052           |                         |        |        | HR8051 (Lo-16bits)            |
| HR8053           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8054           |                         |        |        | HR8053 (Lo-16bits)            |
| HR8055           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8056           |                         |        |        | HR8055 (Lo-16bits)            |
| HR8057           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8058           |                         |        |        | HR8057 (Lo-16bits)            |
| HR8059           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8060           |                         |        |        | HR8059 (Lo-16bits)            |
| HR8061           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8062           |                         |        |        | HR8061 (Lo-16bits)            |
| HR8063           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8064           |                         |        |        | HR8063 (Lo-16bits)            |
| HR8065           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8066           |                         |        |        | HR8065 (Lo-16bits)            |
| HR8067           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8068           |                         |        |        | HR8067 (Lo-16bits)            |
| HR8069           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8070           |                         |        |        | HR8069 (Lo-16bits)            |
| HR8071           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8072           |                         |        |        | HR8071 (Lo-16bits)            |
| HR8073           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8074           |                         |        |        | HR8073 (Lo-16bits)            |
| HR8075           | OV3:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8076           |                         |        |        | HR8075 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8077           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8078           |                                           |        |        | HR8077 (Lo-16bits)          |
| HR8079           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8080           |                                           |        |        | HR8079 (Lo-16bits)          |
| HR8081           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8082           |                                           |        |        | HR8081 (Lo-16bits)          |
| HR8083           | OV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8084           |                                           |        |        | HR8083 (Lo-16bits)          |
| HR8085           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8086           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8087           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8088           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8089           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8090           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8091           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8092           | OV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8093           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8094           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8095           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8096           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8097           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8098           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8099           | OV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8100           | OV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8101           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8102           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8103           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8104           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8105           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8106           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8107           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8108           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8109           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8110           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8111           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8112           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8113           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8114           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8115           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8116           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8117           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8118           |                                                   |        |        | HR8117 (Lo-16bits)                    |
| HR8119           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |
| HR8120           |                                                   |        |        | HR8119 (Lo-16bits)                    |
| HR8121           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits)          |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8122           |                                   |        |        | HR8121 (Lo-16bits)           |
| HR8123           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8124           |                                   |        |        | HR8123 (Lo-16bits)           |
| HR8125           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8126           |                                   |        |        | HR8125 (Lo-16bits)           |
| HR8127           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8128           |                                   |        |        | HR8127 (Lo-16bits)           |
| HR8129           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8130           |                                   |        |        | HR8129 (Lo-16bits)           |
| HR8131           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [50...150] (Hi-16bits) |
| HR8132           |                                   |        |        | HR8131 (Lo-16bits)           |
| HR8133           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8134           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8135           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8136           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8137           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8138           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8139           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8140           | OV4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8141           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8142           |                                   |        |        | HR8141 (Lo-16bits)           |
| HR8143           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8144           |                                   |        |        | HR8143 (Lo-16bits)           |
| HR8145           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8146           |                                   |        |        | HR8145 (Lo-16bits)           |
| HR8147           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8148           |                                   |        |        | HR8147 (Lo-16bits)           |
| HR8149           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |



| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8150           |                                   |        |        | HR8149 (Lo-16bits)            |
| HR8151           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8152           |                                   |        |        | HR8151 (Lo-16bits)            |
| HR8153           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8154           |                                   |        |        | HR8153 (Lo-16bits)            |
| HR8155           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8156           |                                   |        |        | HR8155 (Lo-16bits)            |
| HR8157           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8158           |                                   |        |        | HR8157 (Lo-16bits)            |
| HR8159           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8160           |                                   |        |        | HR8159 (Lo-16bits)            |
| HR8161           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8162           |                                   |        |        | HR8161 (Lo-16bits)            |
| HR8163           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8164           |                                   |        |        | HR8163 (Lo-16bits)            |
| HR8165           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8166           |                                   |        |        | HR8165 (Lo-16bits)            |
| HR8167           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8168           |                                   |        |        | HR8167 (Lo-16bits)            |
| HR8169           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8170           |                                   |        |        | HR8169 (Lo-16bits)            |
| HR8171           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8172           |                                   |        |        | HR8171 (Lo-16bits)            |
| HR8173           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8174           |                                   |        |        | HR8173 (Lo-16bits)            |
| HR8175           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8176           |                                   |        |        | HR8175 (Lo-16bits)            |
| HR8177           | OV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8178           |                                   |        |        | HR8177 (Lo-16bits)            |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8179           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8180           |                             |        |        | HR8179 (Lo-16bits)            |
| HR8181           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8182           |                             |        |        | HR8181 (Lo-16bits)            |
| HR8183           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8184           |                             |        |        | HR8183 (Lo-16bits)            |
| HR8185           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8186           |                             |        |        | HR8185 (Lo-16bits)            |
| HR8187           | OV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8188           |                             |        |        | HR8187 (Lo-16bits)            |
| HR8189           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8190           |                             |        |        | HR8189 (Lo-16bits)            |
| HR8191           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8192           |                             |        |        | HR8191 (Lo-16bits)            |
| HR8193           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8194           |                             |        |        | HR8193 (Lo-16bits)            |
| HR8195           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8196           |                             |        |        | HR8195 (Lo-16bits)            |
| HR8197           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8198           |                             |        |        | HR8197 (Lo-16bits)            |
| HR8199           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8200           |                             |        |        | HR8199 (Lo-16bits)            |
| HR8201           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8202           |                             |        |        | HR8201 (Lo-16bits)            |
| HR8203           | OV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8204           |                             |        |        | HR8203 (Lo-16bits)            |
| HR8205           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8206           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR8207           | OV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8208           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8209           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8210           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8211           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8212           | OV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8213           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8214           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8215           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8216           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8217           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8218           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8219           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8220           | OV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8221           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8222           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8223           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8224           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8225           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8226           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8227           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8228           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8229           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8230           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8231           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8232           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8233           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8234           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8235           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8236           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8237           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8238           |                                                   |        |        | HR8237 (Lo-16bits)                    |
| HR8239           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8240           |                                                   |        |        | HR8239 (Lo-16bits)                    |
| HR8241           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8242           |                                                   |        |        | HR8241 (Lo-16bits)                    |
| HR8243           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8244           |                                                   |        |        | HR8243 (Lo-16bits)                    |
| HR8245           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8246           |                                                   |        |        | HR8245 (Lo-16bits)                    |
| HR8247           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8248           |                                                   |        |        | HR8247 (Lo-16bits)                    |
| HR8249           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8250           |                                                   |        |        | HR8249 (Lo-16bits)                    |
| HR8251           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8252           |                                                   |        |        | HR8251 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length |                              |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8253           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8254           |                                   |        |        | HR8253 (Lo-16bits)           |
| HR8255           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8256           |                                   |        |        | HR8255 (Lo-16bits)           |
| HR8257           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8258           |                                   |        |        | HR8257 (Lo-16bits)           |
| HR8259           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8260           |                                   |        |        | HR8259 (Lo-16bits)           |
| HR8261           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8262           |                                   |        |        | HR8261 (Lo-16bits)           |
| HR8263           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8264           |                                   |        |        | HR8263 (Lo-16bits)           |
| HR8265           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8266           |                                   |        |        | HR8265 (Lo-16bits)           |
| HR8267           | UV1:Block setting Uset<           | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8268           |                                   |        |        | HR8267 (Lo-16bits)           |
| HR8269           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8270           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8271           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8272           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8273           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8274           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8275           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8276           | UV1:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8277           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8278           |                                   |        |        | HR8277 (Lo-16bits)           |
| HR8279           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8280           |                                   |        |        | HR8279 (Lo-16bits)           |
| HR8281           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8282           |                                   |        |        | HR8281 (Lo-16bits)            |
| HR8283           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8284           |                                   |        |        | HR8283 (Lo-16bits)            |
| HR8285           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8286           |                                   |        |        | HR8285 (Lo-16bits)            |
| HR8287           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8288           |                                   |        |        | HR8287 (Lo-16bits)            |
| HR8289           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8290           |                                   |        |        | HR8289 (Lo-16bits)            |
| HR8291           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8292           |                                   |        |        | HR8291 (Lo-16bits)            |
| HR8293           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8294           |                                   |        |        | HR8293 (Lo-16bits)            |
| HR8295           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8296           |                                   |        |        | HR8295 (Lo-16bits)            |
| HR8297           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8298           |                                   |        |        | HR8297 (Lo-16bits)            |
| HR8299           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8300           |                                   |        |        | HR8299 (Lo-16bits)            |
| HR8301           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8302           |                                   |        |        | HR8301 (Lo-16bits)            |
| HR8303           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8304           |                                   |        |        | HR8303 (Lo-16bits)            |
| HR8305           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8306           |                                   |        |        | HR8305 (Lo-16bits)            |
| HR8307           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8308           |                                   |        |        | HR8307 (Lo-16bits)            |
| HR8309           | UV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter              | Access | Length |                               |
|------------------|------------------------|--------|--------|-------------------------------|
| HR8310           |                        |        |        | HR8309 (Lo-16bits)            |
| HR8311           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8312           |                        |        |        | HR8311 (Lo-16bits)            |
| HR8313           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8314           |                        |        |        | HR8313 (Lo-16bits)            |
| HR8315           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8316           |                        |        |        | HR8315 (Lo-16bits)            |
| HR8317           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8318           |                        |        |        | HR8317 (Lo-16bits)            |
| HR8319           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8320           |                        |        |        | HR8319 (Lo-16bits)            |
| HR8321           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8322           |                        |        |        | HR8321 (Lo-16bits)            |
| HR8323           | UV1:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8324           |                        |        |        | HR8323 (Lo-16bits)            |
| HR8325           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8326           |                        |        |        | HR8325 (Lo-16bits)            |
| HR8327           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8328           |                        |        |        | HR8327 (Lo-16bits)            |
| HR8329           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8330           |                        |        |        | HR8329 (Lo-16bits)            |
| HR8331           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8332           |                        |        |        | HR8331 (Lo-16bits)            |
| HR8333           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8334           |                        |        |        | HR8333 (Lo-16bits)            |
| HR8335           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8336           |                        |        |        | HR8335 (Lo-16bits)            |
| HR8337           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8338           |                        |        |        | HR8337 (Lo-16bits)            |
| HR8339           | UV1:Release Time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                         | Access | Length |                    |
|------------------|---------------------------------------------------|--------|--------|--------------------|
| HR8340           |                                                   |        |        | HR8339 (Lo-16bits) |
| HR8341           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8342           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8343           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8344           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8345           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8346           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8347           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8348           | UV1:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes         |
| HR8349           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8350           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8351           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8352           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8353           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8354           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8355           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8356           | UV1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR8357           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR8358           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |



| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8359           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8360           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8361           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8362           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8363           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8364           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8365           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8366           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8367           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8368           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8369           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8370           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8371           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8372           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8373           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8374           |                                                   |        |        | HR8373 (Lo-16bits)                    |
| HR8375           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8376           |                                                   |        |        | HR8375 (Lo-16bits)                    |
| HR8377           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8378           |                                                   |        |        | HR8377 (Lo-16bits)                    |
| HR8379           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8380           |                                                   |        |        | HR8379 (Lo-16bits)                    |
| HR8381           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8382           |                                                   |        |        | HR8381 (Lo-16bits)                    |

| Holding Register | Parameter                  | Access | Length |                             |
|------------------|----------------------------|--------|--------|-----------------------------|
| HR8383           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8384           |                            |        |        | HR8383 (Lo-16bits)          |
| HR8385           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8386           |                            |        |        | HR8385 (Lo-16bits)          |
| HR8387           | UV2:Pick-up setting Uset<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8388           |                            |        |        | HR8387 (Lo-16bits)          |
| HR8389           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8390           |                            |        |        | HR8389 (Lo-16bits)          |
| HR8391           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8392           |                            |        |        | HR8391 (Lo-16bits)          |
| HR8393           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8394           |                            |        |        | HR8393 (Lo-16bits)          |
| HR8395           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8396           |                            |        |        | HR8395 (Lo-16bits)          |
| HR8397           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8398           |                            |        |        | HR8397 (Lo-16bits)          |
| HR8399           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8400           |                            |        |        | HR8399 (Lo-16bits)          |
| HR8401           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8402           |                            |        |        | HR8401 (Lo-16bits)          |
| HR8403           | UV2:Block setting Uset<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8404           |                            |        |        | HR8403 (Lo-16bits)          |
| HR8405           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8406           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8407           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8408           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8409           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8410           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8411           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8412           | UV2:Delay type             | R(W)   | 1      | 0=DT;1=IDMT                 |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8413           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8414           |                                   |        |        | HR8413 (Lo-16bits)            |
| HR8415           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8416           |                                   |        |        | HR8415 (Lo-16bits)            |
| HR8417           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8418           |                                   |        |        | HR8417 (Lo-16bits)            |
| HR8419           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8420           |                                   |        |        | HR8419 (Lo-16bits)            |
| HR8421           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8422           |                                   |        |        | HR8421 (Lo-16bits)            |
| HR8423           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8424           |                                   |        |        | HR8423 (Lo-16bits)            |
| HR8425           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8426           |                                   |        |        | HR8425 (Lo-16bits)            |
| HR8427           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8428           |                                   |        |        | HR8427 (Lo-16bits)            |
| HR8429           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8430           |                                   |        |        | HR8429 (Lo-16bits)            |
| HR8431           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8432           |                                   |        |        | HR8431 (Lo-16bits)            |
| HR8433           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8434           |                                   |        |        | HR8433 (Lo-16bits)            |
| HR8435           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8436           |                                   |        |        | HR8435 (Lo-16bits)            |
| HR8437           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8438           |                                   |        |        | HR8437 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8439           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8440           |                         |        |        | HR8439 (Lo-16bits)            |
| HR8441           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8442           |                         |        |        | HR8441 (Lo-16bits)            |
| HR8443           | UV2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8444           |                         |        |        | HR8443 (Lo-16bits)            |
| HR8445           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8446           |                         |        |        | HR8445 (Lo-16bits)            |
| HR8447           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8448           |                         |        |        | HR8447 (Lo-16bits)            |
| HR8449           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8450           |                         |        |        | HR8449 (Lo-16bits)            |
| HR8451           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8452           |                         |        |        | HR8451 (Lo-16bits)            |
| HR8453           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8454           |                         |        |        | HR8453 (Lo-16bits)            |
| HR8455           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8456           |                         |        |        | HR8455 (Lo-16bits)            |
| HR8457           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8458           |                         |        |        | HR8457 (Lo-16bits)            |
| HR8459           | UV2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8460           |                         |        |        | HR8459 (Lo-16bits)            |
| HR8461           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8462           |                         |        |        | HR8461 (Lo-16bits)            |
| HR8463           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8464           |                         |        |        | HR8463 (Lo-16bits)            |
| HR8465           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8466           |                         |        |        | HR8465 (Lo-16bits)            |
| HR8467           | UV2:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8468           |                         |        |        | HR8467 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8469           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8470           |                                           |        |        | HR8469 (Lo-16bits)          |
| HR8471           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8472           |                                           |        |        | HR8471 (Lo-16bits)          |
| HR8473           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8474           |                                           |        |        | HR8473 (Lo-16bits)          |
| HR8475           | UV2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8476           |                                           |        |        | HR8475 (Lo-16bits)          |
| HR8477           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8478           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8479           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8480           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8481           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8482           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8483           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8484           | UV2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8485           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8486           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8487           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8488           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8489           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8490           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8491           | UV2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8492           | UV2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8493           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8494           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8495           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8496           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8497           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8498           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8499           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8500           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8501           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8502           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8503           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8504           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8505           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8506           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8507           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8508           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8509           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8510           |                                                   |        |        | HR8509 (Lo-16bits)                    |
| HR8511           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8512           |                                                   |        |        | HR8511 (Lo-16bits)                    |

| Holding Register | Parameter                      | Access | Length |                             |
|------------------|--------------------------------|--------|--------|-----------------------------|
| HR8513           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8514           |                                |        |        | HR8513 (Lo-16bits)          |
| HR8515           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8516           |                                |        |        | HR8515 (Lo-16bits)          |
| HR8517           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8518           |                                |        |        | HR8517 (Lo-16bits)          |
| HR8519           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8520           |                                |        |        | HR8519 (Lo-16bits)          |
| HR8521           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8522           |                                |        |        | HR8521 (Lo-16bits)          |
| HR8523           | UV3:Pick-up setting<br>Uset<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8524           |                                |        |        | HR8523 (Lo-16bits)          |
| HR8525           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8526           |                                |        |        | HR8525 (Lo-16bits)          |
| HR8527           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8528           |                                |        |        | HR8527 (Lo-16bits)          |
| HR8529           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8530           |                                |        |        | HR8529 (Lo-16bits)          |
| HR8531           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8532           |                                |        |        | HR8531 (Lo-16bits)          |
| HR8533           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8534           |                                |        |        | HR8533 (Lo-16bits)          |
| HR8535           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8536           |                                |        |        | HR8535 (Lo-16bits)          |
| HR8537           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8538           |                                |        |        | HR8537 (Lo-16bits)          |
| HR8539           | UV3:Block setting Uset<<<      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8540           |                                   |        |        | HR8539 (Lo-16bits)            |
| HR8541           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8542           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8543           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8544           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8545           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8546           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8547           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8548           | UV3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8549           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8550           |                                   |        |        | HR8549 (Lo-16bits)            |
| HR8551           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8552           |                                   |        |        | HR8551 (Lo-16bits)            |
| HR8553           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8554           |                                   |        |        | HR8553 (Lo-16bits)            |
| HR8555           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8556           |                                   |        |        | HR8555 (Lo-16bits)            |
| HR8557           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8558           |                                   |        |        | HR8557 (Lo-16bits)            |
| HR8559           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8560           |                                   |        |        | HR8559 (Lo-16bits)            |
| HR8561           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8562           |                                   |        |        | HR8561 (Lo-16bits)            |
| HR8563           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8564           |                                   |        |        | HR8563 (Lo-16bits)            |
| HR8565           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |



| Holding Register | Parameter               | Access | Length |                               |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8566           |                         |        |        | HR8565 (Lo-16bits)            |
| HR8567           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8568           |                         |        |        | HR8567 (Lo-16bits)            |
| HR8569           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8570           |                         |        |        | HR8569 (Lo-16bits)            |
| HR8571           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8572           |                         |        |        | HR8571 (Lo-16bits)            |
| HR8573           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8574           |                         |        |        | HR8573 (Lo-16bits)            |
| HR8575           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8576           |                         |        |        | HR8575 (Lo-16bits)            |
| HR8577           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8578           |                         |        |        | HR8577 (Lo-16bits)            |
| HR8579           | UV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8580           |                         |        |        | HR8579 (Lo-16bits)            |
| HR8581           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8582           |                         |        |        | HR8581 (Lo-16bits)            |
| HR8583           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8584           |                         |        |        | HR8583 (Lo-16bits)            |
| HR8585           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8586           |                         |        |        | HR8585 (Lo-16bits)            |
| HR8587           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8588           |                         |        |        | HR8587 (Lo-16bits)            |
| HR8589           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8590           |                         |        |        | HR8589 (Lo-16bits)            |
| HR8591           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8592           |                         |        |        | HR8591 (Lo-16bits)            |
| HR8593           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8594           |                         |        |        | HR8593 (Lo-16bits)            |
| HR8595           | UV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                                 | Access | Length |                             |
|------------------|-------------------------------------------|--------|--------|-----------------------------|
| HR8596           |                                           |        |        | HR8595 (Lo-16bits)          |
| HR8597           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8598           |                                           |        |        | HR8597 (Lo-16bits)          |
| HR8599           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8600           |                                           |        |        | HR8599 (Lo-16bits)          |
| HR8601           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8602           |                                           |        |        | HR8601 (Lo-16bits)          |
| HR8603           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8604           |                                           |        |        | HR8603 (Lo-16bits)          |
| HR8605           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8606           |                                           |        |        | HR8605 (Lo-16bits)          |
| HR8607           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8608           |                                           |        |        | HR8607 (Lo-16bits)          |
| HR8609           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8610           |                                           |        |        | HR8609 (Lo-16bits)          |
| HR8611           | UV3:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8612           |                                           |        |        | HR8611 (Lo-16bits)          |
| HR8613           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8614           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8615           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8616           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8617           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8618           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8619           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8620           | UV3:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8621           | UV3:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                         | Access | Length |                                       |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8622           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8623           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8624           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8625           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8626           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8627           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8628           | UV3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                            |
| HR8629           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8630           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8631           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8632           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8633           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8634           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8635           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8636           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                            |
| HR8637           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8638           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8639           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8640           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |

| Holding Register | Parameter                       | Access | Length |                                       |
|------------------|---------------------------------|--------|--------|---------------------------------------|
| HR8641           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8642           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8643           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8644           | UV4:Pick-up terms               | R(W)   | 1      | 0=1 voltage;1=2 voltages;2=3 voltages |
| HR8645           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8646           |                                 |        |        | HR8645 (Lo-16bits)                    |
| HR8647           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8648           |                                 |        |        | HR8647 (Lo-16bits)                    |
| HR8649           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8650           |                                 |        |        | HR8649 (Lo-16bits)                    |
| HR8651           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8652           |                                 |        |        | HR8651 (Lo-16bits)                    |
| HR8653           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8654           |                                 |        |        | HR8653 (Lo-16bits)                    |
| HR8655           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8656           |                                 |        |        | HR8655 (Lo-16bits)                    |
| HR8657           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8658           |                                 |        |        | HR8657 (Lo-16bits)                    |
| HR8659           | UV4:Pick-up setting<br>Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8660           |                                 |        |        | HR8659 (Lo-16bits)                    |
| HR8661           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8662           |                                 |        |        | HR8661 (Lo-16bits)                    |
| HR8663           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8664           |                                 |        |        | HR8663 (Lo-16bits)                    |
| HR8665           | UV4:Block setting<br>Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |

| Holding Register | Parameter                            | Access | Length |                              |
|------------------|--------------------------------------|--------|--------|------------------------------|
| HR8666           |                                      |        |        | HR8665 (Lo-16bits)           |
| HR8667           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8668           |                                      |        |        | HR8667 (Lo-16bits)           |
| HR8669           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8670           |                                      |        |        | HR8669 (Lo-16bits)           |
| HR8671           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8672           |                                      |        |        | HR8671 (Lo-16bits)           |
| HR8673           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8674           |                                      |        |        | HR8673 (Lo-16bits)           |
| HR8675           | UV4:Block setting<br>Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8676           |                                      |        |        | HR8675 (Lo-16bits)           |
| HR8677           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8678           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8679           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8680           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8681           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8682           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8683           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8684           | UV4:Delay type                       | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR8685           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8686           |                                      |        |        | HR8685 (Lo-16bits)           |
| HR8687           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8688           |                                      |        |        | HR8687 (Lo-16bits)           |
| HR8689           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8690           |                                      |        |        | HR8689 (Lo-16bits)           |
| HR8691           | UV4:Definite operating time<br>delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                         | Access | Length |                               |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8692           |                                   |        |        | HR8691 (Lo-16bits)            |
| HR8693           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8694           |                                   |        |        | HR8693 (Lo-16bits)            |
| HR8695           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8696           |                                   |        |        | HR8695 (Lo-16bits)            |
| HR8697           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8698           |                                   |        |        | HR8697 (Lo-16bits)            |
| HR8699           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8700           |                                   |        |        | HR8699 (Lo-16bits)            |
| HR8701           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8702           |                                   |        |        | HR8701 (Lo-16bits)            |
| HR8703           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8704           |                                   |        |        | HR8703 (Lo-16bits)            |
| HR8705           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8706           |                                   |        |        | HR8705 (Lo-16bits)            |
| HR8707           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8708           |                                   |        |        | HR8707 (Lo-16bits)            |
| HR8709           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8710           |                                   |        |        | HR8709 (Lo-16bits)            |
| HR8711           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8712           |                                   |        |        | HR8711 (Lo-16bits)            |
| HR8713           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8714           |                                   |        |        | HR8713 (Lo-16bits)            |
| HR8715           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8716           |                                   |        |        | HR8715 (Lo-16bits)            |
| HR8717           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8718           |                                   |        |        | HR8717 (Lo-16bits)            |
| HR8719           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length |                               |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8720           |                             |        |        | HR8719 (Lo-16bits)            |
| HR8721           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8722           |                             |        |        | HR8721 (Lo-16bits)            |
| HR8723           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8724           |                             |        |        | HR8723 (Lo-16bits)            |
| HR8725           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8726           |                             |        |        | HR8725 (Lo-16bits)            |
| HR8727           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8728           |                             |        |        | HR8727 (Lo-16bits)            |
| HR8729           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8730           |                             |        |        | HR8729 (Lo-16bits)            |
| HR8731           | UV4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8732           |                             |        |        | HR8731 (Lo-16bits)            |
| HR8733           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8734           |                             |        |        | HR8733 (Lo-16bits)            |
| HR8735           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8736           |                             |        |        | HR8735 (Lo-16bits)            |
| HR8737           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8738           |                             |        |        | HR8737 (Lo-16bits)            |
| HR8739           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8740           |                             |        |        | HR8739 (Lo-16bits)            |
| HR8741           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8742           |                             |        |        | HR8741 (Lo-16bits)            |
| HR8743           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8744           |                             |        |        | HR8743 (Lo-16bits)            |
| HR8745           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8746           |                             |        |        | HR8745 (Lo-16bits)            |
| HR8747           | UV4:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8748           |                             |        |        | HR8747 (Lo-16bits)            |
| HR8749           | UV4:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                         | Access | Length |            |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR8750           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8751           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8752           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8753           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8754           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8755           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8756           | UV4:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR8757           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8758           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8759           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8760           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8761           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8762           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8763           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8764           | UV4:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR8765           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8766           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8767           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR8768           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |



| Holding Register | Parameter                                         | Access | Length |                             |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR8769           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8770           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8771           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8772           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8773           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8774           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8775           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8776           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8777           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8778           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8779           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8780           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8781           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8782           |                                                   |        |        | HR8781 (Lo-16bits)          |
| HR8783           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8784           |                                                   |        |        | HR8783 (Lo-16bits)          |
| HR8785           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8786           |                                                   |        |        | HR8785 (Lo-16bits)          |
| HR8787           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8788           |                                                   |        |        | HR8787 (Lo-16bits)          |
| HR8789           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8790           |                                                   |        |        | HR8789 (Lo-16bits)          |
| HR8791           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8792           |                                                   |        |        | HR8791 (Lo-16bits)          |
| HR8793           | VUB1:Pick-up setting Uset                         | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8794           |                                                   |        |        | HR8793 (Lo-16bits)          |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8795           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8796           |                               |        |        | HR8795 (Lo-16bits)          |
| HR8797           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8798           |                               |        |        | HR8797 (Lo-16bits)          |
| HR8799           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8800           |                               |        |        | HR8799 (Lo-16bits)          |
| HR8801           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8802           |                               |        |        | HR8801 (Lo-16bits)          |
| HR8803           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8804           |                               |        |        | HR8803 (Lo-16bits)          |
| HR8805           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8806           |                               |        |        | HR8805 (Lo-16bits)          |
| HR8807           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8808           |                               |        |        | HR8807 (Lo-16bits)          |
| HR8809           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8810           |                               |        |        | HR8809 (Lo-16bits)          |
| HR8811           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8812           |                               |        |        | HR8811 (Lo-16bits)          |
| HR8813           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8814           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8815           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8816           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8817           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8818           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8819           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |
| HR8820           | VUB1:Delay type               | R(W)   | 1      | 0=DT;1=IDMT                 |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8821           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8822           |                                    |        |        | HR8821 (Lo-16bits)            |
| HR8823           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8824           |                                    |        |        | HR8823 (Lo-16bits)            |
| HR8825           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8826           |                                    |        |        | HR8825 (Lo-16bits)            |
| HR8827           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8828           |                                    |        |        | HR8827 (Lo-16bits)            |
| HR8829           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8830           |                                    |        |        | HR8829 (Lo-16bits)            |
| HR8831           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8832           |                                    |        |        | HR8831 (Lo-16bits)            |
| HR8833           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8834           |                                    |        |        | HR8833 (Lo-16bits)            |
| HR8835           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8836           |                                    |        |        | HR8835 (Lo-16bits)            |
| HR8837           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8838           |                                    |        |        | HR8837 (Lo-16bits)            |
| HR8839           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8840           |                                    |        |        | HR8839 (Lo-16bits)            |
| HR8841           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8842           |                                    |        |        | HR8841 (Lo-16bits)            |
| HR8843           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8844           |                                    |        |        | HR8843 (Lo-16bits)            |
| HR8845           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8846           |                                    |        |        | HR8845 (Lo-16bits)            |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8847           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8848           |                          |        |        | HR8847 (Lo-16bits)            |
| HR8849           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8850           |                          |        |        | HR8849 (Lo-16bits)            |
| HR8851           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8852           |                          |        |        | HR8851 (Lo-16bits)            |
| HR8853           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8854           |                          |        |        | HR8853 (Lo-16bits)            |
| HR8855           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8856           |                          |        |        | HR8855 (Lo-16bits)            |
| HR8857           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8858           |                          |        |        | HR8857 (Lo-16bits)            |
| HR8859           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8860           |                          |        |        | HR8859 (Lo-16bits)            |
| HR8861           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8862           |                          |        |        | HR8861 (Lo-16bits)            |
| HR8863           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8864           |                          |        |        | HR8863 (Lo-16bits)            |
| HR8865           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8866           |                          |        |        | HR8865 (Lo-16bits)            |
| HR8867           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8868           |                          |        |        | HR8867 (Lo-16bits)            |
| HR8869           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8870           |                          |        |        | HR8869 (Lo-16bits)            |
| HR8871           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8872           |                          |        |        | HR8871 (Lo-16bits)            |
| HR8873           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8874           |                          |        |        | HR8873 (Lo-16bits)            |
| HR8875           | VUB1:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8876           |                          |        |        | HR8875 (Lo-16bits)            |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR8877           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8878           |                                            |        |        | HR8877 (Lo-16bits)          |
| HR8879           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8880           |                                            |        |        | HR8879 (Lo-16bits)          |
| HR8881           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8882           |                                            |        |        | HR8881 (Lo-16bits)          |
| HR8883           | VUB1:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8884           |                                            |        |        | HR8883 (Lo-16bits)          |
| HR8885           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8886           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8887           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8888           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8889           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8890           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8891           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8892           | VUB1:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR8893           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8894           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8895           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8896           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8897           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8898           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8899           | VUB1:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR8900           | VUB1:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes                  |
| HR8901           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8902           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8903           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8904           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8905           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8906           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8907           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8908           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR8909           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8910           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8911           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8912           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8913           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8914           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8915           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8916           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR8917           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8918           |                                                    |        |        | HR8917 (Lo-16bits)          |
| HR8919           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8920           |                                                    |        |        | HR8919 (Lo-16bits)          |
| HR8921           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8922           |                               |        |        | HR8921 (Lo-16bits)          |
| HR8923           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8924           |                               |        |        | HR8923 (Lo-16bits)          |
| HR8925           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8926           |                               |        |        | HR8925 (Lo-16bits)          |
| HR8927           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8928           |                               |        |        | HR8927 (Lo-16bits)          |
| HR8929           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8930           |                               |        |        | HR8929 (Lo-16bits)          |
| HR8931           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8932           |                               |        |        | HR8931 (Lo-16bits)          |
| HR8933           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8934           |                               |        |        | HR8933 (Lo-16bits)          |
| HR8935           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8936           |                               |        |        | HR8935 (Lo-16bits)          |
| HR8937           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8938           |                               |        |        | HR8937 (Lo-16bits)          |
| HR8939           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8940           |                               |        |        | HR8939 (Lo-16bits)          |
| HR8941           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8942           |                               |        |        | HR8941 (Lo-16bits)          |
| HR8943           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8944           |                               |        |        | HR8943 (Lo-16bits)          |
| HR8945           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8946           |                               |        |        | HR8945 (Lo-16bits)          |
| HR8947           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8948           |                                    |        |        | HR8947 (Lo-16bits)            |
| HR8949           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8950           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8951           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8952           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8953           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8954           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8955           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8956           | VUB2:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                   |
| HR8957           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8958           |                                    |        |        | HR8957 (Lo-16bits)            |
| HR8959           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8960           |                                    |        |        | HR8959 (Lo-16bits)            |
| HR8961           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8962           |                                    |        |        | HR8961 (Lo-16bits)            |
| HR8963           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8964           |                                    |        |        | HR8963 (Lo-16bits)            |
| HR8965           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8966           |                                    |        |        | HR8965 (Lo-16bits)            |
| HR8967           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8968           |                                    |        |        | HR8967 (Lo-16bits)            |
| HR8969           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8970           |                                    |        |        | HR8969 (Lo-16bits)            |
| HR8971           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8972           |                                    |        |        | HR8971 (Lo-16bits)            |
| HR8973           | VUB2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |



| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8974           |                          |        |        | HR8973 (Lo-16bits)            |
| HR8975           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8976           |                          |        |        | HR8975 (Lo-16bits)            |
| HR8977           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8978           |                          |        |        | HR8977 (Lo-16bits)            |
| HR8979           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8980           |                          |        |        | HR8979 (Lo-16bits)            |
| HR8981           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8982           |                          |        |        | HR8981 (Lo-16bits)            |
| HR8983           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8984           |                          |        |        | HR8983 (Lo-16bits)            |
| HR8985           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8986           |                          |        |        | HR8985 (Lo-16bits)            |
| HR8987           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8988           |                          |        |        | HR8987 (Lo-16bits)            |
| HR8989           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8990           |                          |        |        | HR8989 (Lo-16bits)            |
| HR8991           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8992           |                          |        |        | HR8991 (Lo-16bits)            |
| HR8993           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8994           |                          |        |        | HR8993 (Lo-16bits)            |
| HR8995           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8996           |                          |        |        | HR8995 (Lo-16bits)            |
| HR8997           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8998           |                          |        |        | HR8997 (Lo-16bits)            |
| HR8999           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9000           |                          |        |        | HR8999 (Lo-16bits)            |
| HR9001           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9002           |                          |        |        | HR9001 (Lo-16bits)            |
| HR9003           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR9004           |                                            |        |        | HR9003 (Lo-16bits)          |
| HR9005           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9006           |                                            |        |        | HR9005 (Lo-16bits)          |
| HR9007           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9008           |                                            |        |        | HR9007 (Lo-16bits)          |
| HR9009           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9010           |                                            |        |        | HR9009 (Lo-16bits)          |
| HR9011           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9012           |                                            |        |        | HR9011 (Lo-16bits)          |
| HR9013           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9014           |                                            |        |        | HR9013 (Lo-16bits)          |
| HR9015           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9016           |                                            |        |        | HR9015 (Lo-16bits)          |
| HR9017           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9018           |                                            |        |        | HR9017 (Lo-16bits)          |
| HR9019           | VUB2:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9020           |                                            |        |        | HR9019 (Lo-16bits)          |
| HR9021           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9022           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9023           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9024           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9025           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9026           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9027           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9028           | VUB2:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9029           | VUB2:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |                    |
|------------------|----------------------------------------------------|--------|--------|--------------------|
| HR9030           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9031           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9032           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9033           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9034           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9035           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9036           | VUB2:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes         |
| HR9037           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9038           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9039           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9040           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9041           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9042           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9043           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9044           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes         |
| HR9045           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9046           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9047           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |
| HR9048           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under < |

| Holding Register | Parameter                     | Access | Length |                             |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR9049           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9050           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9051           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9052           | VUB3:Pick-up terms            | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9053           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9054           |                               |        |        | HR9053 (Lo-16bits)          |
| HR9055           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9056           |                               |        |        | HR9055 (Lo-16bits)          |
| HR9057           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9058           |                               |        |        | HR9057 (Lo-16bits)          |
| HR9059           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9060           |                               |        |        | HR9059 (Lo-16bits)          |
| HR9061           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9062           |                               |        |        | HR9061 (Lo-16bits)          |
| HR9063           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9064           |                               |        |        | HR9063 (Lo-16bits)          |
| HR9065           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9066           |                               |        |        | HR9065 (Lo-16bits)          |
| HR9067           | VUB3:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9068           |                               |        |        | HR9067 (Lo-16bits)          |
| HR9069           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9070           |                               |        |        | HR9069 (Lo-16bits)          |
| HR9071           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9072           |                               |        |        | HR9071 (Lo-16bits)          |
| HR9073           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9074           |                               |        |        | HR9073 (Lo-16bits)          |
| HR9075           | VUB3:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9076           |                               |        |        | HR9075 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9077           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9078           |                                    |        |        | HR9077 (Lo-16bits)           |
| HR9079           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9080           |                                    |        |        | HR9079 (Lo-16bits)           |
| HR9081           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9082           |                                    |        |        | HR9081 (Lo-16bits)           |
| HR9083           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9084           |                                    |        |        | HR9083 (Lo-16bits)           |
| HR9085           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9086           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9087           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9088           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9089           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9090           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9091           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9092           | VUB3:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9093           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9094           |                                    |        |        | HR9093 (Lo-16bits)           |
| HR9095           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9096           |                                    |        |        | HR9095 (Lo-16bits)           |
| HR9097           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9098           |                                    |        |        | HR9097 (Lo-16bits)           |
| HR9099           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9100           |                                    |        |        | HR9099 (Lo-16bits)           |
| HR9101           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9102           |                                    |        |        | HR9101 (Lo-16bits)           |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9103           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9104           |                                    |        |        | HR9103 (Lo-16bits)            |
| HR9105           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9106           |                                    |        |        | HR9105 (Lo-16bits)            |
| HR9107           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9108           |                                    |        |        | HR9107 (Lo-16bits)            |
| HR9109           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9110           |                                    |        |        | HR9109 (Lo-16bits)            |
| HR9111           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9112           |                                    |        |        | HR9111 (Lo-16bits)            |
| HR9113           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9114           |                                    |        |        | HR9113 (Lo-16bits)            |
| HR9115           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9116           |                                    |        |        | HR9115 (Lo-16bits)            |
| HR9117           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9118           |                                    |        |        | HR9117 (Lo-16bits)            |
| HR9119           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9120           |                                    |        |        | HR9119 (Lo-16bits)            |
| HR9121           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9122           |                                    |        |        | HR9121 (Lo-16bits)            |
| HR9123           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9124           |                                    |        |        | HR9123 (Lo-16bits)            |
| HR9125           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9126           |                                    |        |        | HR9125 (Lo-16bits)            |
| HR9127           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9128           |                                    |        |        | HR9127 (Lo-16bits)            |
| HR9129           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9130           |                                    |        |        | HR9129 (Lo-16bits)            |
| HR9131           | VUB3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |

| Holding Register | Parameter                    | Access | Length |                               |
|------------------|------------------------------|--------|--------|-------------------------------|
| HR9132           |                              |        |        | HR9131 (Lo-16bits)            |
| HR9133           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9134           |                              |        |        | HR9133 (Lo-16bits)            |
| HR9135           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9136           |                              |        |        | HR9135 (Lo-16bits)            |
| HR9137           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9138           |                              |        |        | HR9137 (Lo-16bits)            |
| HR9139           | VUB3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9140           |                              |        |        | HR9139 (Lo-16bits)            |
| HR9141           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9142           |                              |        |        | HR9141 (Lo-16bits)            |
| HR9143           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9144           |                              |        |        | HR9143 (Lo-16bits)            |
| HR9145           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9146           |                              |        |        | HR9145 (Lo-16bits)            |
| HR9147           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9148           |                              |        |        | HR9147 (Lo-16bits)            |
| HR9149           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9150           |                              |        |        | HR9149 (Lo-16bits)            |
| HR9151           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9152           |                              |        |        | HR9151 (Lo-16bits)            |
| HR9153           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9154           |                              |        |        | HR9153 (Lo-16bits)            |
| HR9155           | VUB3:Release Time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9156           |                              |        |        | HR9155 (Lo-16bits)            |
| HR9157           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR9158           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |
| HR9159           | VUB3:Delayed Pick-up release | R(W)   | 1      | 0=No;1=Yes                    |

| Holding Register | Parameter                                          | Access | Length |            |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9160           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9161           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9162           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9163           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9164           | VUB3:Delayed Pick-up release                       | R(W)   | 1      | 0=No;1=Yes |
| HR9165           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9166           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9167           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9168           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9169           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9170           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9171           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9172           | VUB3:Op.Time calc reset after release time         | R(W)   | 1      | 0=No;1=Yes |
| HR9173           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9174           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9175           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9176           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9177           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |



| Holding Register | Parameter                                          | Access | Length |                             |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR9178           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9179           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9180           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9181           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9182           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9183           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9184           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9185           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9186           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9187           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9188           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over >;1=Under <          |
| HR9189           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9190           |                                                    |        |        | HR9189 (Lo-16bits)          |
| HR9191           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9192           |                                                    |        |        | HR9191 (Lo-16bits)          |
| HR9193           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9194           |                                                    |        |        | HR9193 (Lo-16bits)          |
| HR9195           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9196           |                                                    |        |        | HR9195 (Lo-16bits)          |
| HR9197           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9198           |                                                    |        |        | HR9197 (Lo-16bits)          |
| HR9199           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9200           |                                                    |        |        | HR9199 (Lo-16bits)          |
| HR9201           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9202           |                                                    |        |        | HR9201 (Lo-16bits)          |
| HR9203           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9204           |                                                    |        |        | HR9203 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length |                              |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9205           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9206           |                                    |        |        | HR9205 (Lo-16bits)           |
| HR9207           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9208           |                                    |        |        | HR9207 (Lo-16bits)           |
| HR9209           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9210           |                                    |        |        | HR9209 (Lo-16bits)           |
| HR9211           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9212           |                                    |        |        | HR9211 (Lo-16bits)           |
| HR9213           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9214           |                                    |        |        | HR9213 (Lo-16bits)           |
| HR9215           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9216           |                                    |        |        | HR9215 (Lo-16bits)           |
| HR9217           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9218           |                                    |        |        | HR9217 (Lo-16bits)           |
| HR9219           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9220           |                                    |        |        | HR9219 (Lo-16bits)           |
| HR9221           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9222           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9223           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9224           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9225           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9226           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9227           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9228           | VUB4:Delay type                    | R(W)   | 1      | 0=DT;1=IDMT                  |
| HR9229           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9230           |                                    |        |        | HR9229 (Lo-16bits)           |

| Holding Register | Parameter                          | Access | Length |                               |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9231           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9232           |                                    |        |        | HR9231 (Lo-16bits)            |
| HR9233           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9234           |                                    |        |        | HR9233 (Lo-16bits)            |
| HR9235           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9236           |                                    |        |        | HR9235 (Lo-16bits)            |
| HR9237           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9238           |                                    |        |        | HR9237 (Lo-16bits)            |
| HR9239           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9240           |                                    |        |        | HR9239 (Lo-16bits)            |
| HR9241           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9242           |                                    |        |        | HR9241 (Lo-16bits)            |
| HR9243           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9244           |                                    |        |        | HR9243 (Lo-16bits)            |
| HR9245           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9246           |                                    |        |        | HR9245 (Lo-16bits)            |
| HR9247           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9248           |                                    |        |        | HR9247 (Lo-16bits)            |
| HR9249           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9250           |                                    |        |        | HR9249 (Lo-16bits)            |
| HR9251           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9252           |                                    |        |        | HR9251 (Lo-16bits)            |
| HR9253           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9254           |                                    |        |        | HR9253 (Lo-16bits)            |
| HR9255           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9256           |                                    |        |        | HR9255 (Lo-16bits)            |
| HR9257           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter                | Access | Length |                               |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR9258           |                          |        |        | HR9257 (Lo-16bits)            |
| HR9259           | VUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9260           |                          |        |        | HR9259 (Lo-16bits)            |
| HR9261           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9262           |                          |        |        | HR9261 (Lo-16bits)            |
| HR9263           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9264           |                          |        |        | HR9263 (Lo-16bits)            |
| HR9265           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9266           |                          |        |        | HR9265 (Lo-16bits)            |
| HR9267           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9268           |                          |        |        | HR9267 (Lo-16bits)            |
| HR9269           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9270           |                          |        |        | HR9269 (Lo-16bits)            |
| HR9271           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9272           |                          |        |        | HR9271 (Lo-16bits)            |
| HR9273           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9274           |                          |        |        | HR9273 (Lo-16bits)            |
| HR9275           | VUB4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9276           |                          |        |        | HR9275 (Lo-16bits)            |
| HR9277           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9278           |                          |        |        | HR9277 (Lo-16bits)            |
| HR9279           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9280           |                          |        |        | HR9279 (Lo-16bits)            |
| HR9281           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9282           |                          |        |        | HR9281 (Lo-16bits)            |
| HR9283           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9284           |                          |        |        | HR9283 (Lo-16bits)            |
| HR9285           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9286           |                          |        |        | HR9285 (Lo-16bits)            |
| HR9287           | VUB4:Release Time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                  | Access | Length |                             |
|------------------|--------------------------------------------|--------|--------|-----------------------------|
| HR9288           |                                            |        |        | HR9287 (Lo-16bits)          |
| HR9289           | VUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9290           |                                            |        |        | HR9289 (Lo-16bits)          |
| HR9291           | VUB4:Release Time delay                    | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9292           |                                            |        |        | HR9291 (Lo-16bits)          |
| HR9293           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9294           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9295           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9296           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9297           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9298           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9299           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9300           | VUB4:Delayed Pick-up release               | R(W)   | 1      | 0=No;1=Yes                  |
| HR9301           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9302           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9303           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9304           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9305           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9306           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9307           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |
| HR9308           | VUB4:Op.Time calc reset after release time | R(W)   | 1      | 0=No;1=Yes                  |

| Holding Register | Parameter                                          | Access | Length |            |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9309           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9310           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9311           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9312           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9313           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9314           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9315           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9316           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No;1=Yes |
| HR9317           | FRQV1:f> Enable                                    | R(W)   | 1      | 0=No;1=Yes |
| HR9318           | FRQV1:f>> Enable                                   | R(W)   | 1      | 0=No;1=Yes |
| HR9319           | FRQV1:f>>> Enable                                  | R(W)   | 1      | 0=No;1=Yes |
| HR9320           | FRQV1:f>>>> Enable                                 | R(W)   | 1      | 0=No;1=Yes |
| HR9321           | FRQV1:f< Enable                                    | R(W)   | 1      | 0=No;1=Yes |
| HR9322           | FRQV1:f<< Enable                                   | R(W)   | 1      | 0=No;1=Yes |
| HR9323           | FRQV1:f<<< Enable                                  | R(W)   | 1      | 0=No;1=Yes |
| HR9324           | FRQV1:f<<<< Enable                                 | R(W)   | 1      | 0=No;1=Yes |
| HR9325           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9326           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9327           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9328           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9329           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |
| HR9330           | FRQV1:f> Used in SG                                | R(W)   | 1      | 0=No;1=Yes |

| Holding Register | Parameter           | Access | Length |                              |
|------------------|---------------------|--------|--------|------------------------------|
| HR9331           | FRQV1:f> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9332           | FRQV1:f> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9333           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9334           |                     |        |        | HR9333 (Lo-16bits)           |
| HR9335           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9336           |                     |        |        | HR9335 (Lo-16bits)           |
| HR9337           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9338           |                     |        |        | HR9337 (Lo-16bits)           |
| HR9339           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9340           |                     |        |        | HR9339 (Lo-16bits)           |
| HR9341           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9342           |                     |        |        | HR9341 (Lo-16bits)           |
| HR9343           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9344           |                     |        |        | HR9343 (Lo-16bits)           |
| HR9345           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9346           |                     |        |        | HR9345 (Lo-16bits)           |
| HR9347           | FRQV1:f> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9348           |                     |        |        | HR9347 (Lo-16bits)           |
| HR9349           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9350           |                     |        |        | HR9349 (Lo-16bits)           |
| HR9351           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9352           |                     |        |        | HR9351 (Lo-16bits)           |
| HR9353           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9354           |                     |        |        | HR9353 (Lo-16bits)           |
| HR9355           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9356           |                     |        |        | HR9355 (Lo-16bits)           |
| HR9357           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9358           |                     |        |        | HR9357 (Lo-16bits)           |
| HR9359           | FRQV1:f> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9360           |                     |        |        | HR9359 (Lo-16bits)           |

| Holding Register | Parameter            | Access | Length |                              |
|------------------|----------------------|--------|--------|------------------------------|
| HR9361           | FRQV1:f> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9362           |                      |        |        | HR9361 (Lo-16bits)           |
| HR9363           | FRQV1:f> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9364           |                      |        |        | HR9363 (Lo-16bits)           |
| HR9365           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9366           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9367           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9368           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9369           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9370           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9371           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9372           | FRQV1:f>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9373           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9374           |                      |        |        | HR9373 (Lo-16bits)           |
| HR9375           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9376           |                      |        |        | HR9375 (Lo-16bits)           |
| HR9377           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9378           |                      |        |        | HR9377 (Lo-16bits)           |
| HR9379           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9380           |                      |        |        | HR9379 (Lo-16bits)           |
| HR9381           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9382           |                      |        |        | HR9381 (Lo-16bits)           |
| HR9383           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9384           |                      |        |        | HR9383 (Lo-16bits)           |
| HR9385           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9386           |                      |        |        | HR9385 (Lo-16bits)           |
| HR9387           | FRQV1:f>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9388           |                      |        |        | HR9387 (Lo-16bits)           |
| HR9389           | FRQV1:f>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9390           |                      |        |        | HR9389 (Lo-16bits)           |



| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9391           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9392           |                       |        |        | HR9391 (Lo-16bits)           |
| HR9393           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9394           |                       |        |        | HR9393 (Lo-16bits)           |
| HR9395           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9396           |                       |        |        | HR9395 (Lo-16bits)           |
| HR9397           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9398           |                       |        |        | HR9397 (Lo-16bits)           |
| HR9399           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9400           |                       |        |        | HR9399 (Lo-16bits)           |
| HR9401           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9402           |                       |        |        | HR9401 (Lo-16bits)           |
| HR9403           | FRQV1:f>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9404           |                       |        |        | HR9403 (Lo-16bits)           |
| HR9405           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9406           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9407           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9408           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9409           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9410           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9411           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9412           | FRQV1:f>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9413           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9414           |                       |        |        | HR9413 (Lo-16bits)           |
| HR9415           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9416           |                       |        |        | HR9415 (Lo-16bits)           |
| HR9417           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9418           |                       |        |        | HR9417 (Lo-16bits)           |
| HR9419           | FRQV1:f>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9420           |                       |        |        | HR9419 (Lo-16bits)           |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9421           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9422           |                        |        |        | HR9421 (Lo-16bits)           |
| HR9423           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9424           |                        |        |        | HR9423 (Lo-16bits)           |
| HR9425           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9426           |                        |        |        | HR9425 (Lo-16bits)           |
| HR9427           | FRQV1:f>>> pick-up     | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9428           |                        |        |        | HR9427 (Lo-16bits)           |
| HR9429           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9430           |                        |        |        | HR9429 (Lo-16bits)           |
| HR9431           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9432           |                        |        |        | HR9431 (Lo-16bits)           |
| HR9433           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9434           |                        |        |        | HR9433 (Lo-16bits)           |
| HR9435           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9436           |                        |        |        | HR9435 (Lo-16bits)           |
| HR9437           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9438           |                        |        |        | HR9437 (Lo-16bits)           |
| HR9439           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9440           |                        |        |        | HR9439 (Lo-16bits)           |
| HR9441           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9442           |                        |        |        | HR9441 (Lo-16bits)           |
| HR9443           | FRQV1:f>>> Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9444           |                        |        |        | HR9443 (Lo-16bits)           |
| HR9445           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9446           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9447           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9448           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9449           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9450           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9451           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9452           | FRQV1:f>>>> Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9453           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9454           |                        |        |        | HR9453 (Lo-16bits)           |
| HR9455           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9456           |                        |        |        | HR9455 (Lo-16bits)           |
| HR9457           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9458           |                        |        |        | HR9457 (Lo-16bits)           |
| HR9459           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9460           |                        |        |        | HR9459 (Lo-16bits)           |
| HR9461           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9462           |                        |        |        | HR9461 (Lo-16bits)           |
| HR9463           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9464           |                        |        |        | HR9463 (Lo-16bits)           |
| HR9465           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9466           |                        |        |        | HR9465 (Lo-16bits)           |
| HR9467           | FRQV1:f>>>> pick-up    | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9468           |                        |        |        | HR9467 (Lo-16bits)           |
| HR9469           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9470           |                        |        |        | HR9469 (Lo-16bits)           |
| HR9471           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9472           |                        |        |        | HR9471 (Lo-16bits)           |
| HR9473           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9474           |                        |        |        | HR9473 (Lo-16bits)           |
| HR9475           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9476           |                        |        |        | HR9475 (Lo-16bits)           |
| HR9477           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9478           |                        |        |        | HR9477 (Lo-16bits)           |
| HR9479           | FRQV1:f>>>> Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9480           |                        |        |        | HR9479 (Lo-16bits)           |

| Holding Register | Parameter           | Access | Length |                              |
|------------------|---------------------|--------|--------|------------------------------|
| HR9481           | FRQV1:f>>>> Op.time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9482           |                     |        |        | HR9481 (Lo-16bits)           |
| HR9483           | FRQV1:f>>>> Op.time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9484           |                     |        |        | HR9483 (Lo-16bits)           |
| HR9485           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9486           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9487           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9488           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9489           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9490           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9491           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9492           | FRQV1:f< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9493           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9494           |                     |        |        | HR9493 (Lo-16bits)           |
| HR9495           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9496           |                     |        |        | HR9495 (Lo-16bits)           |
| HR9497           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9498           |                     |        |        | HR9497 (Lo-16bits)           |
| HR9499           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9500           |                     |        |        | HR9499 (Lo-16bits)           |
| HR9501           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9502           |                     |        |        | HR9501 (Lo-16bits)           |
| HR9503           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9504           |                     |        |        | HR9503 (Lo-16bits)           |
| HR9505           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9506           |                     |        |        | HR9505 (Lo-16bits)           |
| HR9507           | FRQV1:f< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9508           |                     |        |        | HR9507 (Lo-16bits)           |
| HR9509           | FRQV1:f< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9510           |                     |        |        | HR9509 (Lo-16bits)           |

| Holding Register | Parameter            | Access | Length |                              |
|------------------|----------------------|--------|--------|------------------------------|
| HR9511           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9512           |                      |        |        | HR9511 (Lo-16bits)           |
| HR9513           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9514           |                      |        |        | HR9513 (Lo-16bits)           |
| HR9515           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9516           |                      |        |        | HR9515 (Lo-16bits)           |
| HR9517           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9518           |                      |        |        | HR9517 (Lo-16bits)           |
| HR9519           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9520           |                      |        |        | HR9519 (Lo-16bits)           |
| HR9521           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9522           |                      |        |        | HR9521 (Lo-16bits)           |
| HR9523           | FRQV1:f< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9524           |                      |        |        | HR9523 (Lo-16bits)           |
| HR9525           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9526           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9527           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9528           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9529           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9530           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9531           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9532           | FRQV1:f<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9533           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9534           |                      |        |        | HR9533 (Lo-16bits)           |
| HR9535           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9536           |                      |        |        | HR9535 (Lo-16bits)           |
| HR9537           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9538           |                      |        |        | HR9537 (Lo-16bits)           |
| HR9539           | FRQV1:f<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9540           |                      |        |        | HR9539 (Lo-16bits)           |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9541           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9542           |                       |        |        | HR9541 (Lo-16bits)           |
| HR9543           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9544           |                       |        |        | HR9543 (Lo-16bits)           |
| HR9545           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9546           |                       |        |        | HR9545 (Lo-16bits)           |
| HR9547           | FRQV1:f<< pick-up     | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9548           |                       |        |        | HR9547 (Lo-16bits)           |
| HR9549           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9550           |                       |        |        | HR9549 (Lo-16bits)           |
| HR9551           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9552           |                       |        |        | HR9551 (Lo-16bits)           |
| HR9553           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9554           |                       |        |        | HR9553 (Lo-16bits)           |
| HR9555           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9556           |                       |        |        | HR9555 (Lo-16bits)           |
| HR9557           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9558           |                       |        |        | HR9557 (Lo-16bits)           |
| HR9559           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9560           |                       |        |        | HR9559 (Lo-16bits)           |
| HR9561           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9562           |                       |        |        | HR9561 (Lo-16bits)           |
| HR9563           | FRQV1:f<< Op.time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9564           |                       |        |        | HR9563 (Lo-16bits)           |
| HR9565           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9566           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9567           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9568           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9569           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9570           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |

| Holding Register | Parameter             | Access | Length |                              |
|------------------|-----------------------|--------|--------|------------------------------|
| HR9571           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9572           | FRQV1:f<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9573           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9574           |                       |        |        | HR9573 (Lo-16bits)           |
| HR9575           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9576           |                       |        |        | HR9575 (Lo-16bits)           |
| HR9577           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9578           |                       |        |        | HR9577 (Lo-16bits)           |
| HR9579           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9580           |                       |        |        | HR9579 (Lo-16bits)           |
| HR9581           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9582           |                       |        |        | HR9581 (Lo-16bits)           |
| HR9583           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9584           |                       |        |        | HR9583 (Lo-16bits)           |
| HR9585           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9586           |                       |        |        | HR9585 (Lo-16bits)           |
| HR9587           | FRQV1:f<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9588           |                       |        |        | HR9587 (Lo-16bits)           |
| HR9589           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9590           |                       |        |        | HR9589 (Lo-16bits)           |
| HR9591           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9592           |                       |        |        | HR9591 (Lo-16bits)           |
| HR9593           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9594           |                       |        |        | HR9593 (Lo-16bits)           |
| HR9595           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9596           |                       |        |        | HR9595 (Lo-16bits)           |
| HR9597           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9598           |                       |        |        | HR9597 (Lo-16bits)           |
| HR9599           | FRQV1:f<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9600           |                       |        |        | HR9599 (Lo-16bits)           |

| Holding Register | Parameter              | Access | Length |                              |
|------------------|------------------------|--------|--------|------------------------------|
| HR9601           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9602           |                        |        |        | HR9601 (Lo-16bits)           |
| HR9603           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9604           |                        |        |        | HR9603 (Lo-16bits)           |
| HR9605           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9606           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9607           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9608           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9609           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9610           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9611           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9612           | FRQV1:f<<<< Used in SG | R(W)   | 1      | 0=No;1=Yes                   |
| HR9613           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9614           |                        |        |        | HR9613 (Lo-16bits)           |
| HR9615           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9616           |                        |        |        | HR9615 (Lo-16bits)           |
| HR9617           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9618           |                        |        |        | HR9617 (Lo-16bits)           |
| HR9619           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9620           |                        |        |        | HR9619 (Lo-16bits)           |
| HR9621           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9622           |                        |        |        | HR9621 (Lo-16bits)           |
| HR9623           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9624           |                        |        |        | HR9623 (Lo-16bits)           |
| HR9625           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9626           |                        |        |        | HR9625 (Lo-16bits)           |
| HR9627           | FRQV1:f<<<< pick-up    | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9628           |                        |        |        | HR9627 (Lo-16bits)           |
| HR9629           | FRQV1:f<<<< Op.time    | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9630           |                        |        |        | HR9629 (Lo-16bits)           |



| Holding Register | Parameter                 | Access | Length |                                         |
|------------------|---------------------------|--------|--------|-----------------------------------------|
| HR9631           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9632           |                           |        |        | HR9631 (Lo-16bits)                      |
| HR9633           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9634           |                           |        |        | HR9633 (Lo-16bits)                      |
| HR9635           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9636           |                           |        |        | HR9635 (Lo-16bits)                      |
| HR9637           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9638           |                           |        |        | HR9637 (Lo-16bits)                      |
| HR9639           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9640           |                           |        |        | HR9639 (Lo-16bits)                      |
| HR9641           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9642           |                           |        |        | HR9641 (Lo-16bits)                      |
| HR9643           | FRQV1:f<<<< Op.time       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)            |
| HR9644           |                           |        |        | HR9643 (Lo-16bits)                      |
| HR9645           | GSYN:GSYN Nets Standstill | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9646           |                           |        |        | HR9645 (Lo-16bits)                      |
| HR9647           | GSYN:GSYN Nets Departing  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9648           |                           |        |        | HR9647 (Lo-16bits)                      |
| HR9649           | GSYN:GSYN Nets Enclosing  | RW     | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9650           |                           |        |        | HR9649 (Lo-16bits)                      |
| HR9651           | DEV:Serial number         | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)     |
| HR9652           |                           |        |        | HR9651 (Lo-16bits)                      |
| HR9653           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9654           |                           |        |        | HR9653 (Lo-16bits)                      |
| HR9655           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9656           |                           |        |        | HR9655 (Lo-16bits)                      |
| HR9657           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |
| HR9658           |                           |        |        | HR9657 (Lo-16bits)                      |
| HR9659           | DEV:SW version            | R      | 2      | STRING [...32] (Hi-16bits)              |

| Holding Register | Parameter      | Access | Length |                             |
|------------------|----------------|--------|--------|-----------------------------|
| HR9660           |                |        |        | HR9659 (Lo-16bits)          |
| HR9661           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9662           |                |        |        | HR9661 (Lo-16bits)          |
| HR9663           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9664           |                |        |        | HR9663 (Lo-16bits)          |
| HR9665           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9666           |                |        |        | HR9665 (Lo-16bits)          |
| HR9667           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9668           |                |        |        | HR9667 (Lo-16bits)          |
| HR9669           | DEV:SW version | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9670           |                |        |        | HR9669 (Lo-16bits)          |
| HR9671           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9672           |                |        |        | HR9671 (Lo-16bits)          |
| HR9673           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9674           |                |        |        | HR9673 (Lo-16bits)          |
| HR9675           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9676           |                |        |        | HR9675 (Lo-16bits)          |
| HR9677           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9678           |                |        |        | HR9677 (Lo-16bits)          |
| HR9679           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9680           |                |        |        | HR9679 (Lo-16bits)          |
| HR9681           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9682           |                |        |        | HR9681 (Lo-16bits)          |
| HR9683           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9684           |                |        |        | HR9683 (Lo-16bits)          |
| HR9685           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9686           |                |        |        | HR9685 (Lo-16bits)          |
| HR9687           | DEV:HW conf.   | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9688           |                |        |        | HR9687 (Lo-16bits)          |

| Holding Register | Parameter                                                     | Access | Length |                        |
|------------------|---------------------------------------------------------------|--------|--------|------------------------|
| HR9689           | MBTCP:Enable mapped setting value modification through Modbus | RW     | 1      | 0=Disabled;1=Enabled   |
| HR9690           | NOC1:I> [50/51] mode                                          | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9691           | NOC2:I>> [50/51] mode                                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9692           | NOC3:I>>> [50/51] mode                                        | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9693           | NOC4:I>>>> [50/51] mode                                       | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9694           | NEF1:I0> [50N/51N] mode                                       | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9695           | NEF2:I0>> [50N/51N] mode                                      | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9696           | NEF3:I0>>> [50N/51N] mode                                     | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9697           | NEF4:I0>>>> [50N/51N] mode                                    | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9698           | CUB1:I2> [46] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9699           | CUB2:I2>> [46] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9700           | CUB3:I2>>> [46] mode                                          | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9701           | CUB4:I2>>>> [46] mode                                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9702           | OV1:U> [59] mode                                              | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9703           | OV2:U>> [59] mode                                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9704           | OV3:U>>> [59] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9705           | OV4:U>>>> [59] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9706           | UV1:U< [27] mode                                              | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9707           | UV2:U<< [27] mode                                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9708           | UV3:U<<< [27] mode                                            | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9709           | UV4:U<<<< [27] mode                                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9710           | VUB1:U1/2 >/< [47/27PN/59PN] mode                             | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9711           | VUB2:U1/2 >>/<< [47/27PN/59PN] mode                           | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9712           | VUB3:U1/2 >>>/<<< [47/27PN/59PN] mode                         | R(W)   | 1      | 0=Disabled;1=Activated |
| HR9713           | VUB4:U1/2 >>>>/<<<< [47/27PN/59PN] mode                       | R(W)   | 1      | 0=Disabled;1=Activated |

| Holding Register | Parameter                 | Access | Length |                             |
|------------------|---------------------------|--------|--------|-----------------------------|
| HR9714           | FRQV1:f</> [81O/81U] mode | R(W)   | 1      | 0=Disabled;1=Activated      |
| HR9715           | MEAS1:IL1 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9716           |                           |        |        | HR9715 (Lo-16bits)          |
| HR9717           | MEAS1:IL1 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9718           |                           |        |        | HR9717 (Lo-16bits)          |
| HR9719           | MEAS1:IL2 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9720           |                           |        |        | HR9719 (Lo-16bits)          |
| HR9721           | MEAS1:IL2 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9722           |                           |        |        | HR9721 (Lo-16bits)          |
| HR9723           | MEAS1:IL3 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9724           |                           |        |        | HR9723 (Lo-16bits)          |
| HR9725           | MEAS1:IL3 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9726           |                           |        |        | HR9725 (Lo-16bits)          |
| HR9727           | MEAS1:I01 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9728           |                           |        |        | HR9727 (Lo-16bits)          |
| HR9729           | MEAS1:I01 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9730           |                           |        |        | HR9729 (Lo-16bits)          |
| HR9731           | MEAS1:I02 Amplitude THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9732           |                           |        |        | HR9731 (Lo-16bits)          |
| HR9733           | MEAS1:I02 Power THD       | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9734           |                           |        |        | HR9733 (Lo-16bits)          |
| HR9735           | MEAS2:I"L1 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9736           |                           |        |        | HR9735 (Lo-16bits)          |
| HR9737           | MEAS2:I"L1 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9738           |                           |        |        | HR9737 (Lo-16bits)          |
| HR9739           | MEAS2:I"L2 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9740           |                           |        |        | HR9739 (Lo-16bits)          |
| HR9741           | MEAS2:I"L2 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR9742           |                           |        |        | HR9741 (Lo-16bits)          |

| Holding Register | Parameter                             | Access | Length |                                          |
|------------------|---------------------------------------|--------|--------|------------------------------------------|
| HR9743           | MEAS2:I <sup>L</sup> 3 Amplitude THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9744           |                                       |        |        | HR9743 (Lo-16bits)                       |
| HR9745           | MEAS2:I <sup>L</sup> 3 Power THD      | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9746           |                                       |        |        | HR9745 (Lo-16bits)                       |
| HR9747           | MEAS2:I <sup>L</sup> 01 Amplitude THD | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9748           |                                       |        |        | HR9747 (Lo-16bits)                       |
| HR9749           | MEAS2:I <sup>L</sup> 01 Power THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9750           |                                       |        |        | HR9749 (Lo-16bits)                       |
| HR9751           | MEAS2:I <sup>L</sup> 02 Amplitude THD | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9752           |                                       |        |        | HR9751 (Lo-16bits)                       |
| HR9753           | MEAS2:I <sup>L</sup> 02 Power THD     | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9754           |                                       |        |        | HR9753 (Lo-16bits)                       |
| HR9755           | MEAS3:UL1 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9756           |                                       |        |        | HR9755 (Lo-16bits)                       |
| HR9757           | MEAS3:UL1 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9758           |                                       |        |        | HR9757 (Lo-16bits)                       |
| HR9759           | MEAS3:UL2 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9760           |                                       |        |        | HR9759 (Lo-16bits)                       |
| HR9761           | MEAS3:UL2 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9762           |                                       |        |        | HR9761 (Lo-16bits)                       |
| HR9763           | MEAS3:UL3 Amplitude THD               | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9764           |                                       |        |        | HR9763 (Lo-16bits)                       |
| HR9765           | MEAS3:UL3 Power THD                   | R      | 2      | FLOAT [0...100] (Hi-16bits)              |
| HR9766           |                                       |        |        | HR9765 (Lo-16bits)                       |
| HR9767           | RTB:RTS to bus Magnitude <sub>9</sub> | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR9768           |                                       |        |        | HR9767 (Lo-16bits)                       |

| Holding Register | Parameter                            | Access | Length |                                                           |
|------------------|--------------------------------------|--------|--------|-----------------------------------------------------------|
| HR9769           | RTB:RTS to bus Magnitude 10          | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits)                  |
| HR9770           |                                      |        |        | HR9769 (Lo-16bits)                                        |
| HR9771           | DIGI:DIs (cpu)                       | R      | 2      | 0b=DI1;1b=DI2;2b=DI3; (Hi-16bits)                         |
| HR9772           |                                      |        |        | HR9771 (Lo-16bits)                                        |
| HR9773           | DIGI:DIs (input option 1)            | R      | 2      | 0b=DI4;1b=DI5;2b=DI6;3b=DI7;4b=DI8;5b=DI9;6b=DI10;7b=DI11 |
| HR9774           |                                      |        |        | HR9773 (Lo-16bits)                                        |
| HR9775           | DIGI:DIs (input option 2)            | R      | 2      | 0b=DI12;1b=DI13;2b=DI14;3b=DI15;4b=DI16;5b=DI17;6b=DI18   |
| HR9776           |                                      |        |        | HR9775 (Lo-16bits)                                        |
| HR9777           | DIGI:DIs (input option 3)            | R      | 2      | 0b=DI20;1b=DI21;2b=DI22;3b=DI23;4b=DI24;5b=DI25;6b=DI26   |
| HR9778           |                                      |        |        | HR9777 (Lo-16bits)                                        |
| HR9779           | DIGI:DIs (input option 4)            | R      | 2      | 0b=DI28;1b=DI29;2b=DI30;3b=DI31;4b=DI32;5b=DI33;6b=DI34;  |
| HR9780           |                                      |        |        | HR9779 (Lo-16bits)                                        |
| HR9781           | DIGI:DIs (input option 5)            | R      | 2      | 0b=DI36;1b=DI37;2b=DI38;3b=DI39;4b=DI40;5b=DI41;6b=DI42   |
| HR9782           |                                      |        |        | HR9781 (Lo-16bits)                                        |
| HR9783           | DIGI:DIs (input option 6)            | R      | 2      | 0b=DI44;1b=DI45;2b=DI46;3b=DI47;4b=DI48;5b=DI49;6b=DI50   |
| HR9784           |                                      |        |        | HR9783 (Lo-16bits)                                        |
| HR9785           | FREQS:SS1.meas.frqs                  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                |
| HR9786           |                                      |        |        | HR9785 (Lo-16bits)                                        |
| HR9787           | FREQS:SS2.meas.frqs                  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                |
| HR9788           |                                      |        |        | HR9787 (Lo-16bits)                                        |
| HR9789           | SYN1:SYN2 Estimated BRK Closing time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9790           |                                      |        |        | HR9789 (Lo-16bits)                                        |
| HR9791           | SYN1:SYN2 Networks rotating time     | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9792           |                                      |        |        | HR9791 (Lo-16bits)                                        |
| HR9793           | SYN1:SYN2 Networks placement atm     | R      | 2      | FLOAT [-360.000...360.000] (Hi-16bits)                    |
| HR9794           |                                      |        |        | HR9793 (Lo-16bits)                                        |
| HR9795           | SYN1:SYN3 Estimated BRK Closing time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                           |
| HR9796           |                                      |        |        | HR9795 (Lo-16bits)                                        |

| Holding Register | Parameter                        | Access | Length |                                                    |
|------------------|----------------------------------|--------|--------|----------------------------------------------------|
| HR9797           | SYN1:SYN3 Networks rotating time | R      | 2      | FLOAT [0...360.000] (Hi-16bits)                    |
| HR9798           |                                  |        |        | HR9797 (Lo-16bits)                                 |
| HR9799           | SYN1:SYN3 Networks placement atm | R      | 2      | FLOAT [-360.000...360.000] (Hi-16bits)             |
| HR9800           |                                  |        |        | HR9799 (Lo-16bits)                                 |
| HR9801           | COL1:ICOL> (49OL) mode           | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9802           | COL2:ICOL>> (49OL) mode          | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9803           | CNU1:CNU> (50UB) mode            | R(W)   | 1      | 0=Disabled;1=Activated                             |
| HR9906           | Object6 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9907           | Object7 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9908           | Object8 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9909           | Object9 control register         | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |
| HR9910           | Object10 control register        | R=0/W  | 1      | SELECTOPEN=0xA001;SELECTCLOSE=0xA002,CANCEL=0xA003 |

## 2 AQ-25x frame Modbus map

The following table lists Modbus holding registers for AQ-25x frame units with firmware v2.5.7.1-303-AP2. For AQ-21x frame Modbus map refer to chapter *AQ-21x frame Modbus map*.



### NOTICE!

Best way to always get the latest Modbus map is to load the aqs configuration file from the unit and in the AQtivate setting tool go to *Tools → Communication → Modbus map*.

Table. 2 - 6. AQ-25x frame Modbus map

| Holding Register | Parameter                | Access | Length | Info                                                                                                               |
|------------------|--------------------------|--------|--------|--------------------------------------------------------------------------------------------------------------------|
| HR1              | Modbus requests          | R/W=0  | 1      | Diagnostic request counter                                                                                         |
| HR2              | Modbus quality           | R      | 1      | Diagnostic quality                                                                                                 |
| HR3              | Modbus errors            | R/W=0  | 1      | Diagnostic error counter                                                                                           |
| HR4              | Modbus Ctrl OK           | R/W=0  | 1      | Diagnostic Control OK counter                                                                                      |
| HR5              | Modbus Ctrl Errors       | R/W=0  | 1      | Diagnostic Control Error counter                                                                                   |
| HR6              | Object1 control register | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |
| HR7              | Object2 control register | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |
| HR8              | Object3 control register | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |
| HR9              | Object4 control register | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |
| HR10             | Object5 control register | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |
| HR11             | Previous Event register  | R      | 6      | Event code                                                                                                         |
| HR12             | Previous Event register  | R      | 6      | Event timestamp (ms)                                                                                               |



| Holding Register | Parameter                 | Access | Length | Info                            |
|------------------|---------------------------|--------|--------|---------------------------------|
| HR13             | Previous Event register   | R      | 6      | Event timestamp (sec Hi-16bits) |
| HR14             | Previous Event register   | R      | 6      | Event timestamp (sec Lo-16bits) |
| HR15             | Previous Event register   | R      | 6      | Event sequential index          |
| HR16             | Previous Event register   | R      | 6      | RESERVED                        |
| HR17             | Event register            | R      | 6      | Event code                      |
| HR18             | Event register            | R      | 6      | Event timestamp (ms)            |
| HR19             | Event register            | R      | 6      | Event timestamp (sec Hi-16bits) |
| HR20             | Event register            | R      | 6      | Event timestamp (sec Lo-16bits) |
| HR21             | Event register            | R      | 6      | Event sequential index          |
| HR22             | Event register            | R      | 6      | RESERVED                        |
| HR23             | System time               | RW     | 3      | System time (ms)                |
| HR24             | System time               | RW     | 3      | System time (sec Hi-16bits)     |
| HR25             | System time               | RW     | 3      | System time (sec Lo-16bits)     |
| HR26             | MEAS1: Pri.Pha.curr.IL1   | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR27             |                           |        |        | HR26 (Lo-16bits)                |
| HR28             | MEAS1: Pri.Pha.curr.IL2   | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR29             |                           |        |        | HR28 (Lo-16bits)                |
| HR30             | MEAS1: Pri.Pha.curr.IL3   | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR31             |                           |        |        | HR30 (Lo-16bits)                |
| HR32             | MEAS1: Pha.angle IL1      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR33             |                           |        |        | HR32 (Lo-16bits)                |
| HR34             | MEAS1: Pha.angle IL2      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR35             |                           |        |        | HR34 (Lo-16bits)                |
| HR36             | MEAS1: Pha.angle IL3      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR37             |                           |        |        | HR36 (Lo-16bits)                |
| HR38             | MEAS1: Pri.Res.curr.I01   | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR39             |                           |        |        | HR38 (Lo-16bits)                |
| HR40             | MEAS1: Res.curr.angle I01 | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR41             |                           |        |        | HR40 (Lo-16bits)                |
| HR42             | MEAS1: Pri.Res.curr.I02   | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |

| Holding Register | Parameter                          | Access | Length | Info                           |
|------------------|------------------------------------|--------|--------|--------------------------------|
| HR43             |                                    |        |        | HR42 (Lo-16bits)               |
| HR44             | MEAS1:Res.curr.angle I02           | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR45             |                                    |        |        | HR44 (Lo-16bits)               |
| HR46             | MEAS1:Pri.calc.I0                  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR47             |                                    |        |        | HR46 (Lo-16bits)               |
| HR48             | MEAS1:Calculated I0 angle          | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR49             |                                    |        |        | HR48 (Lo-16bits)               |
| HR50             | MEAS1:Pha.curr.IL1 TRMS Pri        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR51             |                                    |        |        | HR50 (Lo-16bits)               |
| HR52             | MEAS1:Pha.curr.IL2 TRMS Pri        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR53             |                                    |        |        | HR52 (Lo-16bits)               |
| HR54             | MEAS1:Pha.curr.IL3 TRMS Pri        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR55             |                                    |        |        | HR54 (Lo-16bits)               |
| HR56             | MEAS1:Pri.Positive sequence curr.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR57             |                                    |        |        | HR56 (Lo-16bits)               |
| HR58             | MEAS1:Pri.Negative sequence curr.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR59             |                                    |        |        | HR58 (Lo-16bits)               |
| HR60             | MEAS1:Pri.Zero sequence curr.      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR61             |                                    |        |        | HR60 (Lo-16bits)               |
| HR62             | MEAS1:Positive sequence curr.angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR63             |                                    |        |        | HR62 (Lo-16bits)               |
| HR64             | MEAS1:Negative sequence curr.angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR65             |                                    |        |        | HR64 (Lo-16bits)               |
| HR66             | MEAS1:Zero sequence curr.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR67             |                                    |        |        | HR66 (Lo-16bits)               |
| HR68             | MEAS1:Res.curr.I01 TRMS Pri        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR69             |                                    |        |        | HR68 (Lo-16bits)               |
| HR70             | MEAS1:Res.curr.I02 TRMS Pri        | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR71             |                                    |        |        | HR70 (Lo-16bits)               |

| Holding Register | Parameter               | Access | Length | Info                        |
|------------------|-------------------------|--------|--------|-----------------------------|
| HR72             | MEAS1:Pha.L1 ampl. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR73             |                         |        |        | HR72 (Lo-16bits)            |
| HR74             | MEAS1:Pha.L1 pow. THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR75             |                         |        |        | HR74 (Lo-16bits)            |
| HR76             | MEAS1:Pha.L2 ampl. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR77             |                         |        |        | HR76 (Lo-16bits)            |
| HR78             | MEAS1:Pha.L2 pow. THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR79             |                         |        |        | HR78 (Lo-16bits)            |
| HR80             | MEAS1:Pha.L3 ampl. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR81             |                         |        |        | HR80 (Lo-16bits)            |
| HR82             | MEAS1:Pha.L3 pow. THD   | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR83             |                         |        |        | HR82 (Lo-16bits)            |
| HR84             | MEAS1:Res.I01 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR85             |                         |        |        | HR84 (Lo-16bits)            |
| HR86             | MEAS1:Res.I01 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR87             |                         |        |        | HR86 (Lo-16bits)            |
| HR88             | MEAS1:Res.I02 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR89             |                         |        |        | HR88 (Lo-16bits)            |
| HR90             | MEAS1:Res.I02 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits) |
| HR91             |                         |        |        | HR90 (Lo-16bits)            |
| HR92             | MEAS1:P-P curr.IL1      | R      | 2      | FLOAT [0...500] (Hi-16bits) |
| HR93             |                         |        |        | HR92 (Lo-16bits)            |
| HR94             | MEAS1:P-P curr.IL2      | R      | 2      | FLOAT [0...500] (Hi-16bits) |
| HR95             |                         |        |        | HR94 (Lo-16bits)            |
| HR96             | MEAS1:P-P curr.IL3      | R      | 2      | FLOAT [0...500] (Hi-16bits) |
| HR97             |                         |        |        | HR96 (Lo-16bits)            |
| HR98             | MEAS1:P-P curr.I01      | R      | 2      | FLOAT [0...500] (Hi-16bits) |
| HR99             |                         |        |        | HR98 (Lo-16bits)            |
| HR100            | MEAS1:P-P curr.I02      | R      | 2      | FLOAT [0...500] (Hi-16bits) |
| HR101            |                         |        |        | HR100 (Lo-16bits)           |

| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR102            | MEAS1:IL1 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR103            |                         |        |        | HR102 (Lo-16bits)              |
| HR104            | MEAS1:IL1 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR105            |                         |        |        | HR104 (Lo-16bits)              |
| HR106            | MEAS1:IL1 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR107            |                         |        |        | HR106 (Lo-16bits)              |
| HR108            | MEAS1:IL1 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR109            |                         |        |        | HR108 (Lo-16bits)              |
| HR110            | MEAS1:IL1 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR111            |                         |        |        | HR110 (Lo-16bits)              |
| HR112            | MEAS1:IL1 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR113            |                         |        |        | HR112 (Lo-16bits)              |
| HR114            | MEAS1:IL1 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR115            |                         |        |        | HR114 (Lo-16bits)              |
| HR116            | MEAS1:IL1 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR117            |                         |        |        | HR116 (Lo-16bits)              |
| HR118            | MEAS1:IL1 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR119            |                         |        |        | HR118 (Lo-16bits)              |
| HR120            | MEAS1:IL1 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR121            |                         |        |        | HR120 (Lo-16bits)              |
| HR122            | MEAS1:IL1 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR123            |                         |        |        | HR122 (Lo-16bits)              |
| HR124            | MEAS1:IL1 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR125            |                         |        |        | HR124 (Lo-16bits)              |
| HR126            | MEAS1:IL1 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR127            |                         |        |        | HR126 (Lo-16bits)              |
| HR128            | MEAS1:IL1 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR129            |                         |        |        | HR128 (Lo-16bits)              |
| HR130            | MEAS1:IL1 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR131            |                         |        |        | HR130 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR132            | MEAS1:IL1 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR133            |                         |        |        | HR132 (Lo-16bits)              |
| HR134            | MEAS1:IL1 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR135            |                         |        |        | HR134 (Lo-16bits)              |
| HR136            | MEAS1:IL1 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR137            |                         |        |        | HR136 (Lo-16bits)              |
| HR138            | MEAS1:IL1 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR139            |                         |        |        | HR138 (Lo-16bits)              |
| HR140            | MEAS1:IL1 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR141            |                         |        |        | HR140 (Lo-16bits)              |
| HR142            | MEAS1:IL1 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR143            |                         |        |        | HR142 (Lo-16bits)              |
| HR144            | MEAS1:IL1 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR145            |                         |        |        | HR144 (Lo-16bits)              |
| HR146            | MEAS1:IL1 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR147            |                         |        |        | HR146 (Lo-16bits)              |
| HR148            | MEAS1:IL1 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR149            |                         |        |        | HR148 (Lo-16bits)              |
| HR150            | MEAS1:IL1 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR151            |                         |        |        | HR150 (Lo-16bits)              |
| HR152            | MEAS1:IL1 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR153            |                         |        |        | HR152 (Lo-16bits)              |
| HR154            | MEAS1:IL1 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR155            |                         |        |        | HR154 (Lo-16bits)              |
| HR156            | MEAS1:IL1 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR157            |                         |        |        | HR156 (Lo-16bits)              |
| HR158            | MEAS1:IL1 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR159            |                         |        |        | HR158 (Lo-16bits)              |
| HR160            | MEAS1:IL1 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR161            |                         |        |        | HR160 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR162            | MEAS1:IL1 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR163            |                         |        |        | HR162 (Lo-16bits)              |
| HR164            | MEAS1:IL2 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR165            |                         |        |        | HR164 (Lo-16bits)              |
| HR166            | MEAS1:IL2 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR167            |                         |        |        | HR166 (Lo-16bits)              |
| HR168            | MEAS1:IL2 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR169            |                         |        |        | HR168 (Lo-16bits)              |
| HR170            | MEAS1:IL2 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR171            |                         |        |        | HR170 (Lo-16bits)              |
| HR172            | MEAS1:IL2 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR173            |                         |        |        | HR172 (Lo-16bits)              |
| HR174            | MEAS1:IL2 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR175            |                         |        |        | HR174 (Lo-16bits)              |
| HR176            | MEAS1:IL2 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR177            |                         |        |        | HR176 (Lo-16bits)              |
| HR178            | MEAS1:IL2 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR179            |                         |        |        | HR178 (Lo-16bits)              |
| HR180            | MEAS1:IL2 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR181            |                         |        |        | HR180 (Lo-16bits)              |
| HR182            | MEAS1:IL2 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR183            |                         |        |        | HR182 (Lo-16bits)              |
| HR184            | MEAS1:IL2 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR185            |                         |        |        | HR184 (Lo-16bits)              |
| HR186            | MEAS1:IL2 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR187            |                         |        |        | HR186 (Lo-16bits)              |
| HR188            | MEAS1:IL2 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR189            |                         |        |        | HR188 (Lo-16bits)              |
| HR190            | MEAS1:IL2 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR191            |                         |        |        | HR190 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR192            | MEAS1:IL2 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR193            |                         |        |        | HR192 (Lo-16bits)              |
| HR194            | MEAS1:IL2 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR195            |                         |        |        | HR194 (Lo-16bits)              |
| HR196            | MEAS1:IL2 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR197            |                         |        |        | HR196 (Lo-16bits)              |
| HR198            | MEAS1:IL2 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR199            |                         |        |        | HR198 (Lo-16bits)              |
| HR200            | MEAS1:IL2 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR201            |                         |        |        | HR200 (Lo-16bits)              |
| HR202            | MEAS1:IL2 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR203            |                         |        |        | HR202 (Lo-16bits)              |
| HR204            | MEAS1:IL2 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR205            |                         |        |        | HR204 (Lo-16bits)              |
| HR206            | MEAS1:IL2 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR207            |                         |        |        | HR206 (Lo-16bits)              |
| HR208            | MEAS1:IL2 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR209            |                         |        |        | HR208 (Lo-16bits)              |
| HR210            | MEAS1:IL2 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR211            |                         |        |        | HR210 (Lo-16bits)              |
| HR212            | MEAS1:IL2 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR213            |                         |        |        | HR212 (Lo-16bits)              |
| HR214            | MEAS1:IL2 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR215            |                         |        |        | HR214 (Lo-16bits)              |
| HR216            | MEAS1:IL2 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR217            |                         |        |        | HR216 (Lo-16bits)              |
| HR218            | MEAS1:IL2 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR219            |                         |        |        | HR218 (Lo-16bits)              |
| HR220            | MEAS1:IL2 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR221            |                         |        |        | HR220 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR222            | MEAS1:IL2 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR223            |                         |        |        | HR222 (Lo-16bits)              |
| HR224            | MEAS1:IL2 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR225            |                         |        |        | HR224 (Lo-16bits)              |
| HR226            | MEAS1:IL3 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR227            |                         |        |        | HR226 (Lo-16bits)              |
| HR228            | MEAS1:IL3 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR229            |                         |        |        | HR228 (Lo-16bits)              |
| HR230            | MEAS1:IL3 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR231            |                         |        |        | HR230 (Lo-16bits)              |
| HR232            | MEAS1:IL3 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR233            |                         |        |        | HR232 (Lo-16bits)              |
| HR234            | MEAS1:IL3 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR235            |                         |        |        | HR234 (Lo-16bits)              |
| HR236            | MEAS1:IL3 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR237            |                         |        |        | HR236 (Lo-16bits)              |
| HR238            | MEAS1:IL3 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR239            |                         |        |        | HR238 (Lo-16bits)              |
| HR240            | MEAS1:IL3 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR241            |                         |        |        | HR240 (Lo-16bits)              |
| HR242            | MEAS1:IL3 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR243            |                         |        |        | HR242 (Lo-16bits)              |
| HR244            | MEAS1:IL3 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR245            |                         |        |        | HR244 (Lo-16bits)              |
| HR246            | MEAS1:IL3 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR247            |                         |        |        | HR246 (Lo-16bits)              |
| HR248            | MEAS1:IL3 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR249            |                         |        |        | HR248 (Lo-16bits)              |
| HR250            | MEAS1:IL3 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR251            |                         |        |        | HR250 (Lo-16bits)              |



| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR252            | MEAS1:IL3 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR253            |                         |        |        | HR252 (Lo-16bits)              |
| HR254            | MEAS1:IL3 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR255            |                         |        |        | HR254 (Lo-16bits)              |
| HR256            | MEAS1:IL3 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR257            |                         |        |        | HR256 (Lo-16bits)              |
| HR258            | MEAS1:IL3 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR259            |                         |        |        | HR258 (Lo-16bits)              |
| HR260            | MEAS1:IL3 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR261            |                         |        |        | HR260 (Lo-16bits)              |
| HR262            | MEAS1:IL3 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR263            |                         |        |        | HR262 (Lo-16bits)              |
| HR264            | MEAS1:IL3 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR265            |                         |        |        | HR264 (Lo-16bits)              |
| HR266            | MEAS1:IL3 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR267            |                         |        |        | HR266 (Lo-16bits)              |
| HR268            | MEAS1:IL3 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR269            |                         |        |        | HR268 (Lo-16bits)              |
| HR270            | MEAS1:IL3 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR271            |                         |        |        | HR270 (Lo-16bits)              |
| HR272            | MEAS1:IL3 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR273            |                         |        |        | HR272 (Lo-16bits)              |
| HR274            | MEAS1:IL3 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR275            |                         |        |        | HR274 (Lo-16bits)              |
| HR276            | MEAS1:IL3 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR277            |                         |        |        | HR276 (Lo-16bits)              |
| HR278            | MEAS1:IL3 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR279            |                         |        |        | HR278 (Lo-16bits)              |
| HR280            | MEAS1:IL3 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR281            |                         |        |        | HR280 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR282            | MEAS1:IL3 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR283            |                         |        |        | HR282 (Lo-16bits)              |
| HR284            | MEAS1:IL3 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR285            |                         |        |        | HR284 (Lo-16bits)              |
| HR286            | MEAS1:IL3 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR287            |                         |        |        | HR286 (Lo-16bits)              |
| HR288            | MEAS1:I01 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR289            |                         |        |        | HR288 (Lo-16bits)              |
| HR290            | MEAS1:I01 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR291            |                         |        |        | HR290 (Lo-16bits)              |
| HR292            | MEAS1:I01 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR293            |                         |        |        | HR292 (Lo-16bits)              |
| HR294            | MEAS1:I01 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR295            |                         |        |        | HR294 (Lo-16bits)              |
| HR296            | MEAS1:I01 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR297            |                         |        |        | HR296 (Lo-16bits)              |
| HR298            | MEAS1:I01 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR299            |                         |        |        | HR298 (Lo-16bits)              |
| HR300            | MEAS1:I01 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR301            |                         |        |        | HR300 (Lo-16bits)              |
| HR302            | MEAS1:I01 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR303            |                         |        |        | HR302 (Lo-16bits)              |
| HR304            | MEAS1:I01 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR305            |                         |        |        | HR304 (Lo-16bits)              |
| HR306            | MEAS1:I01 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR307            |                         |        |        | HR306 (Lo-16bits)              |
| HR308            | MEAS1:I01 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR309            |                         |        |        | HR308 (Lo-16bits)              |
| HR310            | MEAS1:I01 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR311            |                         |        |        | HR310 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR312            | MEAS1:I01 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR313            |                         |        |        | HR312 (Lo-16bits)              |
| HR314            | MEAS1:I01 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR315            |                         |        |        | HR314 (Lo-16bits)              |
| HR316            | MEAS1:I01 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR317            |                         |        |        | HR316 (Lo-16bits)              |
| HR318            | MEAS1:I01 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR319            |                         |        |        | HR318 (Lo-16bits)              |
| HR320            | MEAS1:I01 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR321            |                         |        |        | HR320 (Lo-16bits)              |
| HR322            | MEAS1:I01 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR323            |                         |        |        | HR322 (Lo-16bits)              |
| HR324            | MEAS1:I01 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR325            |                         |        |        | HR324 (Lo-16bits)              |
| HR326            | MEAS1:I01 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR327            |                         |        |        | HR326 (Lo-16bits)              |
| HR328            | MEAS1:I01 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR329            |                         |        |        | HR328 (Lo-16bits)              |
| HR330            | MEAS1:I01 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR331            |                         |        |        | HR330 (Lo-16bits)              |
| HR332            | MEAS1:I01 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR333            |                         |        |        | HR332 (Lo-16bits)              |
| HR334            | MEAS1:I01 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR335            |                         |        |        | HR334 (Lo-16bits)              |
| HR336            | MEAS1:I01 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR337            |                         |        |        | HR336 (Lo-16bits)              |
| HR338            | MEAS1:I01 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR339            |                         |        |        | HR338 (Lo-16bits)              |
| HR340            | MEAS1:I01 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR341            |                         |        |        | HR340 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR342            | MEAS1:I01 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR343            |                         |        |        | HR342 (Lo-16bits)              |
| HR344            | MEAS1:I01 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR345            |                         |        |        | HR344 (Lo-16bits)              |
| HR346            | MEAS1:I01 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR347            |                         |        |        | HR346 (Lo-16bits)              |
| HR348            | MEAS1:I01 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR349            |                         |        |        | HR348 (Lo-16bits)              |
| HR350            | MEAS1:I02 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR351            |                         |        |        | HR350 (Lo-16bits)              |
| HR352            | MEAS1:I02 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR353            |                         |        |        | HR352 (Lo-16bits)              |
| HR354            | MEAS1:I02 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR355            |                         |        |        | HR354 (Lo-16bits)              |
| HR356            | MEAS1:I02 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR357            |                         |        |        | HR356 (Lo-16bits)              |
| HR358            | MEAS1:I02 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR359            |                         |        |        | HR358 (Lo-16bits)              |
| HR360            | MEAS1:I02 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR361            |                         |        |        | HR360 (Lo-16bits)              |
| HR362            | MEAS1:I02 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR363            |                         |        |        | HR362 (Lo-16bits)              |
| HR364            | MEAS1:I02 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR365            |                         |        |        | HR364 (Lo-16bits)              |
| HR366            | MEAS1:I02 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR367            |                         |        |        | HR366 (Lo-16bits)              |
| HR368            | MEAS1:I02 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR369            |                         |        |        | HR368 (Lo-16bits)              |
| HR370            | MEAS1:I02 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR371            |                         |        |        | HR370 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR372            | MEAS1:I02 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR373            |                         |        |        | HR372 (Lo-16bits)              |
| HR374            | MEAS1:I02 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR375            |                         |        |        | HR374 (Lo-16bits)              |
| HR376            | MEAS1:I02 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR377            |                         |        |        | HR376 (Lo-16bits)              |
| HR378            | MEAS1:I02 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR379            |                         |        |        | HR378 (Lo-16bits)              |
| HR380            | MEAS1:I02 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR381            |                         |        |        | HR380 (Lo-16bits)              |
| HR382            | MEAS1:I02 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR383            |                         |        |        | HR382 (Lo-16bits)              |
| HR384            | MEAS1:I02 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR385            |                         |        |        | HR384 (Lo-16bits)              |
| HR386            | MEAS1:I02 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR387            |                         |        |        | HR386 (Lo-16bits)              |
| HR388            | MEAS1:I02 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR389            |                         |        |        | HR388 (Lo-16bits)              |
| HR390            | MEAS1:I02 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR391            |                         |        |        | HR390 (Lo-16bits)              |
| HR392            | MEAS1:I02 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR393            |                         |        |        | HR392 (Lo-16bits)              |
| HR394            | MEAS1:I02 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR395            |                         |        |        | HR394 (Lo-16bits)              |
| HR396            | MEAS1:I02 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR397            |                         |        |        | HR396 (Lo-16bits)              |
| HR398            | MEAS1:I02 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR399            |                         |        |        | HR398 (Lo-16bits)              |
| HR400            | MEAS1:I02 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR401            |                         |        |        | HR400 (Lo-16bits)              |

| Holding Register | Parameter                 | Access | Length | Info                           |
|------------------|---------------------------|--------|--------|--------------------------------|
| HR402            | MEAS1:I02 27th harmonic   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR403            |                           |        |        | HR402 (Lo-16bits)              |
| HR404            | MEAS1:I02 28th harmonic   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR405            |                           |        |        | HR404 (Lo-16bits)              |
| HR406            | MEAS1:I02 29th harmonic   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR407            |                           |        |        | HR406 (Lo-16bits)              |
| HR408            | MEAS1:I02 30th harmonic   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR409            |                           |        |        | HR408 (Lo-16bits)              |
| HR410            | MEAS1:I02 31st harmonic   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR411            |                           |        |        | HR410 (Lo-16bits)              |
| HR412            | MEAS2:Pri.Pha.curr.I"L1   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR413            |                           |        |        | HR412 (Lo-16bits)              |
| HR414            | MEAS2:Pri.Pha.curr.I"L2   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR415            |                           |        |        | HR414 (Lo-16bits)              |
| HR416            | MEAS2:Pri.Pha.curr.I"L3   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR417            |                           |        |        | HR416 (Lo-16bits)              |
| HR418            | MEAS2:Pha.angle I"L1      | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR419            |                           |        |        | HR418 (Lo-16bits)              |
| HR420            | MEAS2:Pha.angle I"L2      | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR421            |                           |        |        | HR420 (Lo-16bits)              |
| HR422            | MEAS2:Pha.angle I"L3      | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR423            |                           |        |        | HR422 (Lo-16bits)              |
| HR424            | MEAS2:Pri.Res.curr.I"01   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR425            |                           |        |        | HR424 (Lo-16bits)              |
| HR426            | MEAS2:Res.curr.angle I"01 | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR427            |                           |        |        | HR426 (Lo-16bits)              |
| HR428            | MEAS2:Pri.Res.curr.I"02   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR429            |                           |        |        | HR428 (Lo-16bits)              |
| HR430            | MEAS2:Res.curr.angle I"02 | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR431            |                           |        |        | HR430 (Lo-16bits)              |

| Holding Register | Parameter                              | Access | Length | Info                           |
|------------------|----------------------------------------|--------|--------|--------------------------------|
| HR432            | MEAS2: Pri.calc.I°0                    | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR433            |                                        |        |        | HR432 (Lo-16bits)              |
| HR434            | MEAS2: Calculated I°0 angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR435            |                                        |        |        | HR434 (Lo-16bits)              |
| HR436            | MEAS2: Pha.curr.I°L1 TRMS Pri          | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR437            |                                        |        |        | HR436 (Lo-16bits)              |
| HR438            | MEAS2: Pha.curr.I°L2 TRMS Pri          | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR439            |                                        |        |        | HR438 (Lo-16bits)              |
| HR440            | MEAS2: Pha.curr.I°L3 TRMS Pri          | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR441            |                                        |        |        | HR440 (Lo-16bits)              |
| HR442            | MEAS2: I° Pri.Positive sequence curr.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR443            |                                        |        |        | HR442 (Lo-16bits)              |
| HR444            | MEAS2: I° Pri.Negative sequence curr.  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR445            |                                        |        |        | HR444 (Lo-16bits)              |
| HR446            | MEAS2: I° Pri.Zero sequence curr.      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR447            |                                        |        |        | HR446 (Lo-16bits)              |
| HR448            | MEAS2: I° Positive sequence curr.angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR449            |                                        |        |        | HR448 (Lo-16bits)              |
| HR450            | MEAS2: I° Negative sequence curr.angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR451            |                                        |        |        | HR450 (Lo-16bits)              |
| HR452            | MEAS2: I° Zero sequence curr.angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR453            |                                        |        |        | HR452 (Lo-16bits)              |
| HR454            | MEAS2: Res.curr.I°01 TRMS Pri          | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR455            |                                        |        |        | HR454 (Lo-16bits)              |
| HR456            | MEAS2: Res.curr.I°02 TRMS Pri          | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR457            |                                        |        |        | HR456 (Lo-16bits)              |
| HR458            | MEAS2: Pha.I°L1 ampl. THD              | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR459            |                                        |        |        | HR458 (Lo-16bits)              |

| Holding Register | Parameter                | Access | Length | Info                           |
|------------------|--------------------------|--------|--------|--------------------------------|
| HR460            | MEAS2:Pha.I"L1 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR461            |                          |        |        | HR460 (Lo-16bits)              |
| HR462            | MEAS2:Pha.I"L2 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR463            |                          |        |        | HR462 (Lo-16bits)              |
| HR464            | MEAS2:Pha.I"L2 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR465            |                          |        |        | HR464 (Lo-16bits)              |
| HR466            | MEAS2:Pha.I"L3 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR467            |                          |        |        | HR466 (Lo-16bits)              |
| HR468            | MEAS2:Pha.I"L3 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR469            |                          |        |        | HR468 (Lo-16bits)              |
| HR470            | MEAS2:Res.I"01 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR471            |                          |        |        | HR470 (Lo-16bits)              |
| HR472            | MEAS2:Res.I"01 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR473            |                          |        |        | HR472 (Lo-16bits)              |
| HR474            | MEAS2:Res.I"02 ampl. THD | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR475            |                          |        |        | HR474 (Lo-16bits)              |
| HR476            | MEAS2:Res.I"02 pow. THD  | R      | 2      | FLOAT [0...100] (Hi-16bits)    |
| HR477            |                          |        |        | HR476 (Lo-16bits)              |
| HR478            | MEAS2:P-P curr.I"L1      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR479            |                          |        |        | HR478 (Lo-16bits)              |
| HR480            | MEAS2:P-P curr.I"L2      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR481            |                          |        |        | HR480 (Lo-16bits)              |
| HR482            | MEAS2:P-P curr.I"L3      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR483            |                          |        |        | HR482 (Lo-16bits)              |
| HR484            | MEAS2:P-P curr.I"01      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR485            |                          |        |        | HR484 (Lo-16bits)              |
| HR486            | MEAS2:P-P curr.I"02      | R      | 2      | FLOAT [0...500] (Hi-16bits)    |
| HR487            |                          |        |        | HR486 (Lo-16bits)              |
| HR488            | MEAS2:I"L1 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR489            |                          |        |        | HR488 (Lo-16bits)              |



| Holding Register | Parameter                             | Access | Length | Info                           |
|------------------|---------------------------------------|--------|--------|--------------------------------|
| HR490            | MEAS2:I <sup>L</sup> L1 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR491            |                                       |        |        | HR490 (Lo-16bits)              |
| HR492            | MEAS2:I <sup>L</sup> L1 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR493            |                                       |        |        | HR492 (Lo-16bits)              |
| HR494            | MEAS2:I <sup>L</sup> L1 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR495            |                                       |        |        | HR494 (Lo-16bits)              |
| HR496            | MEAS2:I <sup>L</sup> L1 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR497            |                                       |        |        | HR496 (Lo-16bits)              |
| HR498            | MEAS2:I <sup>L</sup> L1 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR499            |                                       |        |        | HR498 (Lo-16bits)              |
| HR500            | MEAS2:I <sup>L</sup> L1 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR501            |                                       |        |        | HR500 (Lo-16bits)              |
| HR502            | MEAS2:I <sup>L</sup> L1 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR503            |                                       |        |        | HR502 (Lo-16bits)              |
| HR504            | MEAS2:I <sup>L</sup> L1 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR505            |                                       |        |        | HR504 (Lo-16bits)              |
| HR506            | MEAS2:I <sup>L</sup> L1 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR507            |                                       |        |        | HR506 (Lo-16bits)              |
| HR508            | MEAS2:I <sup>L</sup> L1 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR509            |                                       |        |        | HR508 (Lo-16bits)              |
| HR510            | MEAS2:I <sup>L</sup> L1 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR511            |                                       |        |        | HR510 (Lo-16bits)              |
| HR512            | MEAS2:I <sup>L</sup> L1 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR513            |                                       |        |        | HR512 (Lo-16bits)              |
| HR514            | MEAS2:I <sup>L</sup> L1 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR515            |                                       |        |        | HR514 (Lo-16bits)              |
| HR516            | MEAS2:I <sup>L</sup> L1 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR517            |                                       |        |        | HR516 (Lo-16bits)              |
| HR518            | MEAS2:I <sup>L</sup> L1 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR519            |                                       |        |        | HR518 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                           |
|------------------|-------------------------|--------|--------|--------------------------------|
| HR520            | MEAS2:IL1 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR521            |                         |        |        | HR520 (Lo-16bits)              |
| HR522            | MEAS2:IL1 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR523            |                         |        |        | HR522 (Lo-16bits)              |
| HR524            | MEAS2:IL1 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR525            |                         |        |        | HR524 (Lo-16bits)              |
| HR526            | MEAS2:IL1 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR527            |                         |        |        | HR526 (Lo-16bits)              |
| HR528            | MEAS2:IL1 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR529            |                         |        |        | HR528 (Lo-16bits)              |
| HR530            | MEAS2:IL1 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR531            |                         |        |        | HR530 (Lo-16bits)              |
| HR532            | MEAS2:IL1 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR533            |                         |        |        | HR532 (Lo-16bits)              |
| HR534            | MEAS2:IL1 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR535            |                         |        |        | HR534 (Lo-16bits)              |
| HR536            | MEAS2:IL1 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR537            |                         |        |        | HR536 (Lo-16bits)              |
| HR538            | MEAS2:IL1 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR539            |                         |        |        | HR538 (Lo-16bits)              |
| HR540            | MEAS2:IL1 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR541            |                         |        |        | HR540 (Lo-16bits)              |
| HR542            | MEAS2:IL1 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR543            |                         |        |        | HR542 (Lo-16bits)              |
| HR544            | MEAS2:IL1 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR545            |                         |        |        | HR544 (Lo-16bits)              |
| HR546            | MEAS2:IL1 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR547            |                         |        |        | HR546 (Lo-16bits)              |
| HR548            | MEAS2:IL1 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR549            |                         |        |        | HR548 (Lo-16bits)              |

| Holding Register | Parameter                             | Access | Length | Info                           |
|------------------|---------------------------------------|--------|--------|--------------------------------|
| HR550            | MEAS2:I <sup>L</sup> L2 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR551            |                                       |        |        | HR550 (Lo-16bits)              |
| HR552            | MEAS2:I <sup>L</sup> L2 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR553            |                                       |        |        | HR552 (Lo-16bits)              |
| HR554            | MEAS2:I <sup>L</sup> L2 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR555            |                                       |        |        | HR554 (Lo-16bits)              |
| HR556            | MEAS2:I <sup>L</sup> L2 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR557            |                                       |        |        | HR556 (Lo-16bits)              |
| HR558            | MEAS2:I <sup>L</sup> L2 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR559            |                                       |        |        | HR558 (Lo-16bits)              |
| HR560            | MEAS2:I <sup>L</sup> L2 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR561            |                                       |        |        | HR560 (Lo-16bits)              |
| HR562            | MEAS2:I <sup>L</sup> L2 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR563            |                                       |        |        | HR562 (Lo-16bits)              |
| HR564            | MEAS2:I <sup>L</sup> L2 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR565            |                                       |        |        | HR564 (Lo-16bits)              |
| HR566            | MEAS2:I <sup>L</sup> L2 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR567            |                                       |        |        | HR566 (Lo-16bits)              |
| HR568            | MEAS2:I <sup>L</sup> L2 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR569            |                                       |        |        | HR568 (Lo-16bits)              |
| HR570            | MEAS2:I <sup>L</sup> L2 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR571            |                                       |        |        | HR570 (Lo-16bits)              |
| HR572            | MEAS2:I <sup>L</sup> L2 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR573            |                                       |        |        | HR572 (Lo-16bits)              |
| HR574            | MEAS2:I <sup>L</sup> L2 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR575            |                                       |        |        | HR574 (Lo-16bits)              |
| HR576            | MEAS2:I <sup>L</sup> L2 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR577            |                                       |        |        | HR576 (Lo-16bits)              |
| HR578            | MEAS2:I <sup>L</sup> L2 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR579            |                                       |        |        | HR578 (Lo-16bits)              |

| Holding Register | Parameter                             | Access | Length | Info                           |
|------------------|---------------------------------------|--------|--------|--------------------------------|
| HR580            | MEAS2:I <sup>L</sup> L2 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR581            |                                       |        |        | HR580 (Lo-16bits)              |
| HR582            | MEAS2:I <sup>L</sup> L2 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR583            |                                       |        |        | HR582 (Lo-16bits)              |
| HR584            | MEAS2:I <sup>L</sup> L2 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR585            |                                       |        |        | HR584 (Lo-16bits)              |
| HR586            | MEAS2:I <sup>L</sup> L2 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR587            |                                       |        |        | HR586 (Lo-16bits)              |
| HR588            | MEAS2:I <sup>L</sup> L2 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR589            |                                       |        |        | HR588 (Lo-16bits)              |
| HR590            | MEAS2:I <sup>L</sup> L2 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR591            |                                       |        |        | HR590 (Lo-16bits)              |
| HR592            | MEAS2:I <sup>L</sup> L2 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR593            |                                       |        |        | HR592 (Lo-16bits)              |
| HR594            | MEAS2:I <sup>L</sup> L2 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR595            |                                       |        |        | HR594 (Lo-16bits)              |
| HR596            | MEAS2:I <sup>L</sup> L2 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR597            |                                       |        |        | HR596 (Lo-16bits)              |
| HR598            | MEAS2:I <sup>L</sup> L2 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR599            |                                       |        |        | HR598 (Lo-16bits)              |
| HR600            | MEAS2:I <sup>L</sup> L2 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR601            |                                       |        |        | HR600 (Lo-16bits)              |
| HR602            | MEAS2:I <sup>L</sup> L2 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR603            |                                       |        |        | HR602 (Lo-16bits)              |
| HR604            | MEAS2:I <sup>L</sup> L2 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR605            |                                       |        |        | HR604 (Lo-16bits)              |
| HR606            | MEAS2:I <sup>L</sup> L2 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR607            |                                       |        |        | HR606 (Lo-16bits)              |
| HR608            | MEAS2:I <sup>L</sup> L2 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR609            |                                       |        |        | HR608 (Lo-16bits)              |

| Holding Register | Parameter                             | Access | Length | Info                           |
|------------------|---------------------------------------|--------|--------|--------------------------------|
| HR610            | MEAS2:I <sup>L</sup> L2 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR611            |                                       |        |        | HR610 (Lo-16bits)              |
| HR612            | MEAS2:I <sup>L</sup> L3 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR613            |                                       |        |        | HR612 (Lo-16bits)              |
| HR614            | MEAS2:I <sup>L</sup> L3 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR615            |                                       |        |        | HR614 (Lo-16bits)              |
| HR616            | MEAS2:I <sup>L</sup> L3 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR617            |                                       |        |        | HR616 (Lo-16bits)              |
| HR618            | MEAS2:I <sup>L</sup> L3 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR619            |                                       |        |        | HR618 (Lo-16bits)              |
| HR620            | MEAS2:I <sup>L</sup> L3 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR621            |                                       |        |        | HR620 (Lo-16bits)              |
| HR622            | MEAS2:I <sup>L</sup> L3 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR623            |                                       |        |        | HR622 (Lo-16bits)              |
| HR624            | MEAS2:I <sup>L</sup> L3 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR625            |                                       |        |        | HR624 (Lo-16bits)              |
| HR626            | MEAS2:I <sup>L</sup> L3 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR627            |                                       |        |        | HR626 (Lo-16bits)              |
| HR628            | MEAS2:I <sup>L</sup> L3 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR629            |                                       |        |        | HR628 (Lo-16bits)              |
| HR630            | MEAS2:I <sup>L</sup> L3 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR631            |                                       |        |        | HR630 (Lo-16bits)              |
| HR632            | MEAS2:I <sup>L</sup> L3 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR633            |                                       |        |        | HR632 (Lo-16bits)              |
| HR634            | MEAS2:I <sup>L</sup> L3 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR635            |                                       |        |        | HR634 (Lo-16bits)              |
| HR636            | MEAS2:I <sup>L</sup> L3 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR637            |                                       |        |        | HR636 (Lo-16bits)              |
| HR638            | MEAS2:I <sup>L</sup> L3 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR639            |                                       |        |        | HR638 (Lo-16bits)              |

| Holding Register | Parameter                             | Access | Length | Info                           |
|------------------|---------------------------------------|--------|--------|--------------------------------|
| HR640            | MEAS2:I <sup>L</sup> L3 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR641            |                                       |        |        | HR640 (Lo-16bits)              |
| HR642            | MEAS2:I <sup>L</sup> L3 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR643            |                                       |        |        | HR642 (Lo-16bits)              |
| HR644            | MEAS2:I <sup>L</sup> L3 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR645            |                                       |        |        | HR644 (Lo-16bits)              |
| HR646            | MEAS2:I <sup>L</sup> L3 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR647            |                                       |        |        | HR646 (Lo-16bits)              |
| HR648            | MEAS2:I <sup>L</sup> L3 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR649            |                                       |        |        | HR648 (Lo-16bits)              |
| HR650            | MEAS2:I <sup>L</sup> L3 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR651            |                                       |        |        | HR650 (Lo-16bits)              |
| HR652            | MEAS2:I <sup>L</sup> L3 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR653            |                                       |        |        | HR652 (Lo-16bits)              |
| HR654            | MEAS2:I <sup>L</sup> L3 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR655            |                                       |        |        | HR654 (Lo-16bits)              |
| HR656            | MEAS2:I <sup>L</sup> L3 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR657            |                                       |        |        | HR656 (Lo-16bits)              |
| HR658            | MEAS2:I <sup>L</sup> L3 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR659            |                                       |        |        | HR658 (Lo-16bits)              |
| HR660            | MEAS2:I <sup>L</sup> L3 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR661            |                                       |        |        | HR660 (Lo-16bits)              |
| HR662            | MEAS2:I <sup>L</sup> L3 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR663            |                                       |        |        | HR662 (Lo-16bits)              |
| HR664            | MEAS2:I <sup>L</sup> L3 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR665            |                                       |        |        | HR664 (Lo-16bits)              |
| HR666            | MEAS2:I <sup>L</sup> L3 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR667            |                                       |        |        | HR666 (Lo-16bits)              |
| HR668            | MEAS2:I <sup>L</sup> L3 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR669            |                                       |        |        | HR668 (Lo-16bits)              |

| Holding Register | Parameter                | Access | Length | Info                           |
|------------------|--------------------------|--------|--------|--------------------------------|
| HR670            | MEAS2:I"L3 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR671            |                          |        |        | HR670 (Lo-16bits)              |
| HR672            | MEAS2:I"L3 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR673            |                          |        |        | HR672 (Lo-16bits)              |
| HR674            | MEAS2:I"01 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR675            |                          |        |        | HR674 (Lo-16bits)              |
| HR676            | MEAS2:I"01 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR677            |                          |        |        | HR676 (Lo-16bits)              |
| HR678            | MEAS2:I"01 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR679            |                          |        |        | HR678 (Lo-16bits)              |
| HR680            | MEAS2:I"01 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR681            |                          |        |        | HR680 (Lo-16bits)              |
| HR682            | MEAS2:I"01 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR683            |                          |        |        | HR682 (Lo-16bits)              |
| HR684            | MEAS2:I"01 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR685            |                          |        |        | HR684 (Lo-16bits)              |
| HR686            | MEAS2:I"01 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR687            |                          |        |        | HR686 (Lo-16bits)              |
| HR688            | MEAS2:I"01 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR689            |                          |        |        | HR688 (Lo-16bits)              |
| HR690            | MEAS2:I"01 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR691            |                          |        |        | HR690 (Lo-16bits)              |
| HR692            | MEAS2:I"01 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR693            |                          |        |        | HR692 (Lo-16bits)              |
| HR694            | MEAS2:I"01 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR695            |                          |        |        | HR694 (Lo-16bits)              |
| HR696            | MEAS2:I"01 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR697            |                          |        |        | HR696 (Lo-16bits)              |
| HR698            | MEAS2:I"01 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR699            |                          |        |        | HR698 (Lo-16bits)              |

| Holding Register | Parameter                | Access | Length | Info                           |
|------------------|--------------------------|--------|--------|--------------------------------|
| HR700            | MEAS2:I"01 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR701            |                          |        |        | HR700 (Lo-16bits)              |
| HR702            | MEAS2:I"01 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR703            |                          |        |        | HR702 (Lo-16bits)              |
| HR704            | MEAS2:I"01 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR705            |                          |        |        | HR704 (Lo-16bits)              |
| HR706            | MEAS2:I"01 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR707            |                          |        |        | HR706 (Lo-16bits)              |
| HR708            | MEAS2:I"01 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR709            |                          |        |        | HR708 (Lo-16bits)              |
| HR710            | MEAS2:I"01 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR711            |                          |        |        | HR710 (Lo-16bits)              |
| HR712            | MEAS2:I"01 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR713            |                          |        |        | HR712 (Lo-16bits)              |
| HR714            | MEAS2:I"01 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR715            |                          |        |        | HR714 (Lo-16bits)              |
| HR716            | MEAS2:I"01 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR717            |                          |        |        | HR716 (Lo-16bits)              |
| HR718            | MEAS2:I"01 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR719            |                          |        |        | HR718 (Lo-16bits)              |
| HR720            | MEAS2:I"01 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR721            |                          |        |        | HR720 (Lo-16bits)              |
| HR722            | MEAS2:I"01 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR723            |                          |        |        | HR722 (Lo-16bits)              |
| HR724            | MEAS2:I"01 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR725            |                          |        |        | HR724 (Lo-16bits)              |
| HR726            | MEAS2:I"01 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR727            |                          |        |        | HR726 (Lo-16bits)              |
| HR728            | MEAS2:I"01 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR729            |                          |        |        | HR728 (Lo-16bits)              |



| Holding Register | Parameter                | Access | Length | Info                           |
|------------------|--------------------------|--------|--------|--------------------------------|
| HR730            | MEAS2:I"01 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR731            |                          |        |        | HR730 (Lo-16bits)              |
| HR732            | MEAS2:I"01 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR733            |                          |        |        | HR732 (Lo-16bits)              |
| HR734            | MEAS2:I"01 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR735            |                          |        |        | HR734 (Lo-16bits)              |
| HR736            | MEAS2:I"02 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR737            |                          |        |        | HR736 (Lo-16bits)              |
| HR738            | MEAS2:I"02 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR739            |                          |        |        | HR738 (Lo-16bits)              |
| HR740            | MEAS2:I"02 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR741            |                          |        |        | HR740 (Lo-16bits)              |
| HR742            | MEAS2:I"02 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR743            |                          |        |        | HR742 (Lo-16bits)              |
| HR744            | MEAS2:I"02 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR745            |                          |        |        | HR744 (Lo-16bits)              |
| HR746            | MEAS2:I"02 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR747            |                          |        |        | HR746 (Lo-16bits)              |
| HR748            | MEAS2:I"02 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR749            |                          |        |        | HR748 (Lo-16bits)              |
| HR750            | MEAS2:I"02 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR751            |                          |        |        | HR750 (Lo-16bits)              |
| HR752            | MEAS2:I"02 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR753            |                          |        |        | HR752 (Lo-16bits)              |
| HR754            | MEAS2:I"02 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR755            |                          |        |        | HR754 (Lo-16bits)              |
| HR756            | MEAS2:I"02 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR757            |                          |        |        | HR756 (Lo-16bits)              |
| HR758            | MEAS2:I"02 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR759            |                          |        |        | HR758 (Lo-16bits)              |

| Holding Register | Parameter                | Access | Length | Info                           |
|------------------|--------------------------|--------|--------|--------------------------------|
| HR760            | MEAS2:I"02 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR761            |                          |        |        | HR760 (Lo-16bits)              |
| HR762            | MEAS2:I"02 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR763            |                          |        |        | HR762 (Lo-16bits)              |
| HR764            | MEAS2:I"02 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR765            |                          |        |        | HR764 (Lo-16bits)              |
| HR766            | MEAS2:I"02 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR767            |                          |        |        | HR766 (Lo-16bits)              |
| HR768            | MEAS2:I"02 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR769            |                          |        |        | HR768 (Lo-16bits)              |
| HR770            | MEAS2:I"02 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR771            |                          |        |        | HR770 (Lo-16bits)              |
| HR772            | MEAS2:I"02 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR773            |                          |        |        | HR772 (Lo-16bits)              |
| HR774            | MEAS2:I"02 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR775            |                          |        |        | HR774 (Lo-16bits)              |
| HR776            | MEAS2:I"02 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR777            |                          |        |        | HR776 (Lo-16bits)              |
| HR778            | MEAS2:I"02 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR779            |                          |        |        | HR778 (Lo-16bits)              |
| HR780            | MEAS2:I"02 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR781            |                          |        |        | HR780 (Lo-16bits)              |
| HR782            | MEAS2:I"02 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR783            |                          |        |        | HR782 (Lo-16bits)              |
| HR784            | MEAS2:I"02 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR785            |                          |        |        | HR784 (Lo-16bits)              |
| HR786            | MEAS2:I"02 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR787            |                          |        |        | HR786 (Lo-16bits)              |
| HR788            | MEAS2:I"02 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR789            |                          |        |        | HR788 (Lo-16bits)              |

| Holding Register | Parameter                | Access | Length | Info                            |
|------------------|--------------------------|--------|--------|---------------------------------|
| HR790            | MEAS2:I"02 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR791            |                          |        |        | HR790 (Lo-16bits)               |
| HR792            | MEAS2:I"02 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR793            |                          |        |        | HR792 (Lo-16bits)               |
| HR794            | MEAS2:I"02 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR795            |                          |        |        | HR794 (Lo-16bits)               |
| HR796            | MEAS2:I"02 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR797            |                          |        |        | HR796 (Lo-16bits)               |
| HR798            | MEAS3:U1 Volt pri        | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR799            |                          |        |        | HR798 (Lo-16bits)               |
| HR800            | MEAS3:U1 Volt sec        | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR801            |                          |        |        | HR800 (Lo-16bits)               |
| HR802            | MEAS3:U2 Volt pri        | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR803            |                          |        |        | HR802 (Lo-16bits)               |
| HR804            | MEAS3:U2 Volt sec        | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR805            |                          |        |        | HR804 (Lo-16bits)               |
| HR806            | MEAS3:U3 Volt pri        | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR807            |                          |        |        | HR806 (Lo-16bits)               |
| HR808            | MEAS3:U3 Volt sec        | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR809            |                          |        |        | HR808 (Lo-16bits)               |
| HR810            | MEAS3:U4 Volt pri        | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR811            |                          |        |        | HR810 (Lo-16bits)               |
| HR812            | MEAS3:U4 Volt sec        | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR813            |                          |        |        | HR812 (Lo-16bits)               |
| HR814            | MEAS3:U1 Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR815            |                          |        |        | HR814 (Lo-16bits)               |
| HR816            | MEAS3:U1 Volt TRMS sec   | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR817            |                          |        |        | HR816 (Lo-16bits)               |
| HR818            | MEAS3:U2 Volt TRMS pri   | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR819            |                          |        |        | HR818 (Lo-16bits)               |

| Holding Register | Parameter                        | Access | Length | Info                            |
|------------------|----------------------------------|--------|--------|---------------------------------|
| HR820            | MEAS3:U2 Volt TRMS sec           | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR821            |                                  |        |        | HR820 (Lo-16bits)               |
| HR822            | MEAS3:U3 Volt TRMS pri           | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR823            |                                  |        |        | HR822 (Lo-16bits)               |
| HR824            | MEAS3:U3 Volt TRMS sec           | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR825            |                                  |        |        | HR824 (Lo-16bits)               |
| HR826            | MEAS3:U4 Volt TRMS pri           | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR827            |                                  |        |        | HR826 (Lo-16bits)               |
| HR828            | MEAS3:U4 Volt TRMS sec           | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR829            |                                  |        |        | HR828 (Lo-16bits)               |
| HR830            | MEAS3:Positive sequence volt.pri | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR831            |                                  |        |        | HR830 (Lo-16bits)               |
| HR832            | MEAS3:Positive sequence volt.sec | R      | 2      | FLOAT [0...480] (Hi-16bits)     |
| HR833            |                                  |        |        | HR832 (Lo-16bits)               |
| HR834            | MEAS3:Negative sequence volt.pri | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR835            |                                  |        |        | HR834 (Lo-16bits)               |
| HR836            | MEAS3:Negative sequence volt.sec | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR837            |                                  |        |        | HR836 (Lo-16bits)               |
| HR838            | MEAS3:Zero sequence Volt.pri     | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR839            |                                  |        |        | HR838 (Lo-16bits)               |
| HR840            | MEAS3:Zero sequence Volt.sec     | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR841            |                                  |        |        | HR840 (Lo-16bits)               |
| HR842            | MEAS3:U0 Calc.Volt pri           | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR843            |                                  |        |        | HR842 (Lo-16bits)               |
| HR844            | MEAS3:U0 Calc.Volt sec           | R      | 2      | FLOAT [0...500] (Hi-16bits)     |
| HR845            |                                  |        |        | HR844 (Lo-16bits)               |
| HR846            | MEAS3:U1 Angle                   | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR847            |                                  |        |        | HR846 (Lo-16bits)               |
| HR848            | MEAS3:U2 Angle                   | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR849            |                                  |        |        | HR848 (Lo-16bits)               |

| Holding Register | Parameter                          | Access | Length | Info                            |
|------------------|------------------------------------|--------|--------|---------------------------------|
| HR850            | MEAS3:U3 Angle                     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR851            |                                    |        |        | HR850 (Lo-16bits)               |
| HR852            | MEAS3:U4 Angle                     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR853            |                                    |        |        | HR852 (Lo-16bits)               |
| HR854            | MEAS3:Pos.Seq.volt.Angle           | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR855            |                                    |        |        | HR854 (Lo-16bits)               |
| HR856            | MEAS3:Negative sequence volt.Angle | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR857            |                                    |        |        | HR856 (Lo-16bits)               |
| HR858            | MEAS3:Zero sequence volt.Angle     | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR859            |                                    |        |        | HR858 (Lo-16bits)               |
| HR860            | MEAS3:System volt UL12 mag         | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR861            |                                    |        |        | HR860 (Lo-16bits)               |
| HR862            | MEAS3:System volt UL12 mag (kV)    | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR863            |                                    |        |        | HR862 (Lo-16bits)               |
| HR864            | MEAS3:System volt UL12 ang         | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR865            |                                    |        |        | HR864 (Lo-16bits)               |
| HR866            | MEAS3:System volt UL23 mag         | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR867            |                                    |        |        | HR866 (Lo-16bits)               |
| HR868            | MEAS3:System volt UL23 mag (kV)    | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR869            |                                    |        |        | HR868 (Lo-16bits)               |
| HR870            | MEAS3:System volt UL23 ang         | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR871            |                                    |        |        | HR870 (Lo-16bits)               |
| HR872            | MEAS3:System volt UL31 mag         | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR873            |                                    |        |        | HR872 (Lo-16bits)               |
| HR874            | MEAS3:System volt UL31 mag (kV)    | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR875            |                                    |        |        | HR874 (Lo-16bits)               |
| HR876            | MEAS3:System volt UL31 ang         | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR877            |                                    |        |        | HR876 (Lo-16bits)               |
| HR878            | MEAS3:System volt UL1 mag          | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR879            |                                    |        |        | HR878 (Lo-16bits)               |

| Holding Register | Parameter                      | Access | Length | Info                            |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR880            | MEAS3:System volt UL1 mag (kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR881            |                                |        |        | HR880 (Lo-16bits)               |
| HR882            | MEAS3:System volt UL1 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR883            |                                |        |        | HR882 (Lo-16bits)               |
| HR884            | MEAS3:System volt UL2 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR885            |                                |        |        | HR884 (Lo-16bits)               |
| HR886            | MEAS3:System volt UL2 mag (kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR887            |                                |        |        | HR886 (Lo-16bits)               |
| HR888            | MEAS3:System volt UL2 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR889            |                                |        |        | HR888 (Lo-16bits)               |
| HR890            | MEAS3:System volt UL3 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR891            |                                |        |        | HR890 (Lo-16bits)               |
| HR892            | MEAS3:System volt UL3 mag (kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR893            |                                |        |        | HR892 (Lo-16bits)               |
| HR894            | MEAS3:System volt UL3 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR895            |                                |        |        | HR894 (Lo-16bits)               |
| HR896            | MEAS3:System volt U0 mag       | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR897            |                                |        |        | HR896 (Lo-16bits)               |
| HR898            | MEAS3:System volt U0 mag (kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR899            |                                |        |        | HR898 (Lo-16bits)               |
| HR900            | MEAS3:System volt U0 mag(%)    | R      | 2      | FLOAT [0...120] (Hi-16bits)     |
| HR901            |                                |        |        | HR900 (Lo-16bits)               |
| HR902            | MEAS3:System volt U0 ang       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR903            |                                |        |        | HR902 (Lo-16bits)               |
| HR904            | MEAS3:System volt U3 mag       | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR905            |                                |        |        | HR904 (Lo-16bits)               |
| HR906            | MEAS3:System volt U3 mag (kV)  | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR907            |                                |        |        | HR906 (Lo-16bits)               |
| HR908            | MEAS3:System volt U3 ang       | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR909            |                                |        |        | HR908 (Lo-16bits)               |

| Holding Register | Parameter                     | Access | Length | Info                            |
|------------------|-------------------------------|--------|--------|---------------------------------|
| HR910            | MEAS3:System volt U4 mag      | R      | 2      | FLOAT [0...1000000] (Hi-16bits) |
| HR911            |                               |        |        | HR910 (Lo-16bits)               |
| HR912            | MEAS3:System volt U4 mag (kV) | R      | 2      | FLOAT [0...1000] (Hi-16bits)    |
| HR913            |                               |        |        | HR912 (Lo-16bits)               |
| HR914            | MEAS3:System volt U4 ang      | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR915            |                               |        |        | HR914 (Lo-16bits)               |
| HR916            | MEAS3:System volt UL1 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR917            |                               |        |        | HR916 (Lo-16bits)               |
| HR918            | MEAS3:System volt UL2 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR919            |                               |        |        | HR918 (Lo-16bits)               |
| HR920            | MEAS3:System volt UL3 ang Ref | R      | 2      | FLOAT [-360...360] (Hi-16bits)  |
| HR921            |                               |        |        | HR920 (Lo-16bits)               |
| HR922            | MEAS3:U1 fundamental          | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR923            |                               |        |        | HR922 (Lo-16bits)               |
| HR924            | MEAS3:U1 2nd harmonic         | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR925            |                               |        |        | HR924 (Lo-16bits)               |
| HR926            | MEAS3:U1 3rd harmonic         | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR927            |                               |        |        | HR926 (Lo-16bits)               |
| HR928            | MEAS3:U1 4th harmonic         | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR929            |                               |        |        | HR928 (Lo-16bits)               |
| HR930            | MEAS3:U1 5th harmonic         | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR931            |                               |        |        | HR930 (Lo-16bits)               |
| HR932            | MEAS3:U1 6th harmonic         | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR933            |                               |        |        | HR932 (Lo-16bits)               |
| HR934            | MEAS3:U1 7th harmonic         | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR935            |                               |        |        | HR934 (Lo-16bits)               |
| HR936            | MEAS3:U1 8th harmonic         | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR937            |                               |        |        | HR936 (Lo-16bits)               |
| HR938            | MEAS3:U1 9th harmonic         | R      | 2      | FLOAT [0...100000] (Hi-16bits)  |
| HR939            |                               |        |        | HR938 (Lo-16bits)               |

| Holding Register | Parameter              | Access | Length | Info                           |
|------------------|------------------------|--------|--------|--------------------------------|
| HR940            | MEAS3:U1 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR941            |                        |        |        | HR940 (Lo-16bits)              |
| HR942            | MEAS3:U1 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR943            |                        |        |        | HR942 (Lo-16bits)              |
| HR944            | MEAS3:U1 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR945            |                        |        |        | HR944 (Lo-16bits)              |
| HR946            | MEAS3:U1 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR947            |                        |        |        | HR946 (Lo-16bits)              |
| HR948            | MEAS3:U1 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR949            |                        |        |        | HR948 (Lo-16bits)              |
| HR950            | MEAS3:U1 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR951            |                        |        |        | HR950 (Lo-16bits)              |
| HR952            | MEAS3:U1 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR953            |                        |        |        | HR952 (Lo-16bits)              |
| HR954            | MEAS3:U1 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR955            |                        |        |        | HR954 (Lo-16bits)              |
| HR956            | MEAS3:U1 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR957            |                        |        |        | HR956 (Lo-16bits)              |
| HR958            | MEAS3:U1 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR959            |                        |        |        | HR958 (Lo-16bits)              |
| HR960            | MEAS3:U1 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR961            |                        |        |        | HR960 (Lo-16bits)              |
| HR962            | MEAS3:U1 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR963            |                        |        |        | HR962 (Lo-16bits)              |
| HR964            | MEAS3:U1 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR965            |                        |        |        | HR964 (Lo-16bits)              |
| HR966            | MEAS3:U1 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR967            |                        |        |        | HR966 (Lo-16bits)              |
| HR968            | MEAS3:U1 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR969            |                        |        |        | HR968 (Lo-16bits)              |



| Holding Register | Parameter              | Access | Length | Info                           |
|------------------|------------------------|--------|--------|--------------------------------|
| HR970            | MEAS3:U1 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR971            |                        |        |        | HR970 (Lo-16bits)              |
| HR972            | MEAS3:U1 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR973            |                        |        |        | HR972 (Lo-16bits)              |
| HR974            | MEAS3:U1 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR975            |                        |        |        | HR974 (Lo-16bits)              |
| HR976            | MEAS3:U1 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR977            |                        |        |        | HR976 (Lo-16bits)              |
| HR978            | MEAS3:U1 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR979            |                        |        |        | HR978 (Lo-16bits)              |
| HR980            | MEAS3:U1 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR981            |                        |        |        | HR980 (Lo-16bits)              |
| HR982            | MEAS3:U1 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR983            |                        |        |        | HR982 (Lo-16bits)              |
| HR984            | MEAS3:U2 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR985            |                        |        |        | HR984 (Lo-16bits)              |
| HR986            | MEAS3:U2 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR987            |                        |        |        | HR986 (Lo-16bits)              |
| HR988            | MEAS3:U2 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR989            |                        |        |        | HR988 (Lo-16bits)              |
| HR990            | MEAS3:U2 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR991            |                        |        |        | HR990 (Lo-16bits)              |
| HR992            | MEAS3:U2 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR993            |                        |        |        | HR992 (Lo-16bits)              |
| HR994            | MEAS3:U2 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR995            |                        |        |        | HR994 (Lo-16bits)              |
| HR996            | MEAS3:U2 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR997            |                        |        |        | HR996 (Lo-16bits)              |
| HR998            | MEAS3:U2 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR999            |                        |        |        | HR998 (Lo-16bits)              |

| Holding Register | Parameter              | Access | Length | Info                           |
|------------------|------------------------|--------|--------|--------------------------------|
| HR1000           | MEAS3:U2 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1001           |                        |        |        | HR1000 (Lo-16bits)             |
| HR1002           | MEAS3:U2 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1003           |                        |        |        | HR1002 (Lo-16bits)             |
| HR1004           | MEAS3:U2 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1005           |                        |        |        | HR1004 (Lo-16bits)             |
| HR1006           | MEAS3:U2 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1007           |                        |        |        | HR1006 (Lo-16bits)             |
| HR1008           | MEAS3:U2 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1009           |                        |        |        | HR1008 (Lo-16bits)             |
| HR1010           | MEAS3:U2 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1011           |                        |        |        | HR1010 (Lo-16bits)             |
| HR1012           | MEAS3:U2 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1013           |                        |        |        | HR1012 (Lo-16bits)             |
| HR1014           | MEAS3:U2 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1015           |                        |        |        | HR1014 (Lo-16bits)             |
| HR1016           | MEAS3:U2 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1017           |                        |        |        | HR1016 (Lo-16bits)             |
| HR1018           | MEAS3:U2 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1019           |                        |        |        | HR1018 (Lo-16bits)             |
| HR1020           | MEAS3:U2 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1021           |                        |        |        | HR1020 (Lo-16bits)             |
| HR1022           | MEAS3:U2 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1023           |                        |        |        | HR1022 (Lo-16bits)             |
| HR1024           | MEAS3:U2 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1025           |                        |        |        | HR1024 (Lo-16bits)             |
| HR1026           | MEAS3:U2 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1027           |                        |        |        | HR1026 (Lo-16bits)             |
| HR1028           | MEAS3:U2 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1029           |                        |        |        | HR1028 (Lo-16bits)             |

| Holding Register | Parameter              | Access | Length | Info                           |
|------------------|------------------------|--------|--------|--------------------------------|
| HR1030           | MEAS3:U2 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1031           |                        |        |        | HR1030 (Lo-16bits)             |
| HR1032           | MEAS3:U2 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1033           |                        |        |        | HR1032 (Lo-16bits)             |
| HR1034           | MEAS3:U2 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1035           |                        |        |        | HR1034 (Lo-16bits)             |
| HR1036           | MEAS3:U2 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1037           |                        |        |        | HR1036 (Lo-16bits)             |
| HR1038           | MEAS3:U2 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1039           |                        |        |        | HR1038 (Lo-16bits)             |
| HR1040           | MEAS3:U2 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1041           |                        |        |        | HR1040 (Lo-16bits)             |
| HR1042           | MEAS3:U2 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1043           |                        |        |        | HR1042 (Lo-16bits)             |
| HR1044           | MEAS3:U2 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1045           |                        |        |        | HR1044 (Lo-16bits)             |
| HR1046           | MEAS3:U3 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1047           |                        |        |        | HR1046 (Lo-16bits)             |
| HR1048           | MEAS3:U3 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1049           |                        |        |        | HR1048 (Lo-16bits)             |
| HR1050           | MEAS3:U3 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1051           |                        |        |        | HR1050 (Lo-16bits)             |
| HR1052           | MEAS3:U3 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1053           |                        |        |        | HR1052 (Lo-16bits)             |
| HR1054           | MEAS3:U3 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1055           |                        |        |        | HR1054 (Lo-16bits)             |
| HR1056           | MEAS3:U3 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1057           |                        |        |        | HR1056 (Lo-16bits)             |
| HR1058           | MEAS3:U3 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1059           |                        |        |        | HR1058 (Lo-16bits)             |

| Holding Register | Parameter              | Access | Length | Info                           |
|------------------|------------------------|--------|--------|--------------------------------|
| HR1060           | MEAS3:U3 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1061           |                        |        |        | HR1060 (Lo-16bits)             |
| HR1062           | MEAS3:U3 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1063           |                        |        |        | HR1062 (Lo-16bits)             |
| HR1064           | MEAS3:U3 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1065           |                        |        |        | HR1064 (Lo-16bits)             |
| HR1066           | MEAS3:U3 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1067           |                        |        |        | HR1066 (Lo-16bits)             |
| HR1068           | MEAS3:U3 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1069           |                        |        |        | HR1068 (Lo-16bits)             |
| HR1070           | MEAS3:U3 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1071           |                        |        |        | HR1070 (Lo-16bits)             |
| HR1072           | MEAS3:U3 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1073           |                        |        |        | HR1072 (Lo-16bits)             |
| HR1074           | MEAS3:U3 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1075           |                        |        |        | HR1074 (Lo-16bits)             |
| HR1076           | MEAS3:U3 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1077           |                        |        |        | HR1076 (Lo-16bits)             |
| HR1078           | MEAS3:U3 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1079           |                        |        |        | HR1078 (Lo-16bits)             |
| HR1080           | MEAS3:U3 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1081           |                        |        |        | HR1080 (Lo-16bits)             |
| HR1082           | MEAS3:U3 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1083           |                        |        |        | HR1082 (Lo-16bits)             |
| HR1084           | MEAS3:U3 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1085           |                        |        |        | HR1084 (Lo-16bits)             |
| HR1086           | MEAS3:U3 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1087           |                        |        |        | HR1086 (Lo-16bits)             |
| HR1088           | MEAS3:U3 22nd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1089           |                        |        |        | HR1088 (Lo-16bits)             |

| Holding Register | Parameter              | Access | Length | Info                           |
|------------------|------------------------|--------|--------|--------------------------------|
| HR1090           | MEAS3:U3 23rd harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1091           |                        |        |        | HR1090 (Lo-16bits)             |
| HR1092           | MEAS3:U3 24th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1093           |                        |        |        | HR1092 (Lo-16bits)             |
| HR1094           | MEAS3:U3 25th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1095           |                        |        |        | HR1094 (Lo-16bits)             |
| HR1096           | MEAS3:U3 26th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1097           |                        |        |        | HR1096 (Lo-16bits)             |
| HR1098           | MEAS3:U3 27th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1099           |                        |        |        | HR1098 (Lo-16bits)             |
| HR1100           | MEAS3:U3 28th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1101           |                        |        |        | HR1100 (Lo-16bits)             |
| HR1102           | MEAS3:U3 29th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1103           |                        |        |        | HR1102 (Lo-16bits)             |
| HR1104           | MEAS3:U3 30th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1105           |                        |        |        | HR1104 (Lo-16bits)             |
| HR1106           | MEAS3:U3 31st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1107           |                        |        |        | HR1106 (Lo-16bits)             |
| HR1108           | MEAS3:U4 fundamental   | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1109           |                        |        |        | HR1108 (Lo-16bits)             |
| HR1110           | MEAS3:U4 2nd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1111           |                        |        |        | HR1110 (Lo-16bits)             |
| HR1112           | MEAS3:U4 3rd harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1113           |                        |        |        | HR1112 (Lo-16bits)             |
| HR1114           | MEAS3:U4 4th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1115           |                        |        |        | HR1114 (Lo-16bits)             |
| HR1116           | MEAS3:U4 5th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1117           |                        |        |        | HR1116 (Lo-16bits)             |
| HR1118           | MEAS3:U4 6th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1119           |                        |        |        | HR1118 (Lo-16bits)             |

| Holding Register | Parameter              | Access | Length | Info                           |
|------------------|------------------------|--------|--------|--------------------------------|
| HR1120           | MEAS3:U4 7th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1121           |                        |        |        | HR1120 (Lo-16bits)             |
| HR1122           | MEAS3:U4 8th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1123           |                        |        |        | HR1122 (Lo-16bits)             |
| HR1124           | MEAS3:U4 9th harmonic  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1125           |                        |        |        | HR1124 (Lo-16bits)             |
| HR1126           | MEAS3:U4 10th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1127           |                        |        |        | HR1126 (Lo-16bits)             |
| HR1128           | MEAS3:U4 11th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1129           |                        |        |        | HR1128 (Lo-16bits)             |
| HR1130           | MEAS3:U4 12th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1131           |                        |        |        | HR1130 (Lo-16bits)             |
| HR1132           | MEAS3:U4 13th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1133           |                        |        |        | HR1132 (Lo-16bits)             |
| HR1134           | MEAS3:U4 14th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1135           |                        |        |        | HR1134 (Lo-16bits)             |
| HR1136           | MEAS3:U4 15th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1137           |                        |        |        | HR1136 (Lo-16bits)             |
| HR1138           | MEAS3:U4 16th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1139           |                        |        |        | HR1138 (Lo-16bits)             |
| HR1140           | MEAS3:U4 17th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1141           |                        |        |        | HR1140 (Lo-16bits)             |
| HR1142           | MEAS3:U4 18th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1143           |                        |        |        | HR1142 (Lo-16bits)             |
| HR1144           | MEAS3:U4 19th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1145           |                        |        |        | HR1144 (Lo-16bits)             |
| HR1146           | MEAS3:U4 20th harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1147           |                        |        |        | HR1146 (Lo-16bits)             |
| HR1148           | MEAS3:U4 21st harmonic | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR1149           |                        |        |        | HR1148 (Lo-16bits)             |

| Holding Register | Parameter                         | Access | Length | Info                                         |
|------------------|-----------------------------------|--------|--------|----------------------------------------------|
| HR1150           | MEAS3:U4 22nd harmonic            | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1151           |                                   |        |        | HR1150 (Lo-16bits)                           |
| HR1152           | MEAS3:U4 23rd harmonic            | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1153           |                                   |        |        | HR1152 (Lo-16bits)                           |
| HR1154           | MEAS3:U4 24th harmonic            | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1155           |                                   |        |        | HR1154 (Lo-16bits)                           |
| HR1156           | MEAS3:U4 25th harmonic            | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1157           |                                   |        |        | HR1156 (Lo-16bits)                           |
| HR1158           | MEAS3:U4 26th harmonic            | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1159           |                                   |        |        | HR1158 (Lo-16bits)                           |
| HR1160           | MEAS3:U4 27th harmonic            | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1161           |                                   |        |        | HR1160 (Lo-16bits)                           |
| HR1162           | MEAS3:U4 28th harmonic            | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1163           |                                   |        |        | HR1162 (Lo-16bits)                           |
| HR1164           | MEAS3:U4 29th harmonic            | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1165           |                                   |        |        | HR1164 (Lo-16bits)                           |
| HR1166           | MEAS3:U4 30th harmonic            | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1167           |                                   |        |        | HR1166 (Lo-16bits)                           |
| HR1168           | MEAS3:U4 31st harmonic            | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR1169           |                                   |        |        | HR1168 (Lo-16bits)                           |
| HR1170           | POW1:Export Active Energy (P) MWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1171           |                                   |        |        | HR1170 (Lo-16bits)                           |
| HR1172           | POW1:Export Active Energy (P) kWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1173           |                                   |        |        | HR1172 (Lo-16bits)                           |
| HR1174           | POW1:Import Active Energy (P) MWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1175           |                                   |        |        | HR1174 (Lo-16bits)                           |
| HR1176           | POW1:Import Active Energy (P) kWh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1177           |                                   |        |        | HR1176 (Lo-16bits)                           |

| Holding Register | Parameter                                                  | Access | Length | Info                                            |
|------------------|------------------------------------------------------------|--------|--------|-------------------------------------------------|
| HR1178           | POW1:Active Energy (P) Export/<br>Import balance MWh       | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1179           |                                                            |        |        | HR1178 (Lo-16bits)                              |
| HR1180           | POW1:Active Energy (P) Export/<br>Import balance kWh       | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1181           |                                                            |        |        | HR1180 (Lo-16bits)                              |
| HR1182           | POW1:Imported (Q) while Export<br>(P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1183           |                                                            |        |        | HR1182 (Lo-16bits)                              |
| HR1184           | POW1:Imported (Q) while Export<br>(P) kVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1185           |                                                            |        |        | HR1184 (Lo-16bits)                              |
| HR1186           | POW1:Imported (Q) while Import<br>(P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1187           |                                                            |        |        | HR1186 (Lo-16bits)                              |
| HR1188           | POW1:Imported (Q) while Import<br>(P) kVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1189           |                                                            |        |        | HR1188 (Lo-16bits)                              |
| HR1190           | POW1:Reactive Energy (Q) balance<br>while Import (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1191           |                                                            |        |        | HR1190 (Lo-16bits)                              |
| HR1192           | POW1:Reactive Energy (Q) balance<br>while Import (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1193           |                                                            |        |        | HR1192 (Lo-16bits)                              |
| HR1194           | POW1:Exported (Q) while Export<br>(P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1195           |                                                            |        |        | HR1194 (Lo-16bits)                              |
| HR1196           | POW1:Exported (Q) while Export<br>(P) kVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1197           |                                                            |        |        | HR1196 (Lo-16bits)                              |
| HR1198           | POW1:Exported (Q) while Import<br>(P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1199           |                                                            |        |        | HR1198 (Lo-16bits)                              |
| HR1200           | POW1:Exported (Q) while Import<br>(P) kVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR1201           |                                                            |        |        | HR1200 (Lo-16bits)                              |



| Holding Register | Parameter                                               | Access | Length | Info                                         |
|------------------|---------------------------------------------------------|--------|--------|----------------------------------------------|
| HR1202           | POW1:Reactive Energy (Q) balance while Export (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1203           |                                                         |        |        | HR1202 (Lo-16bits)                           |
| HR1204           | POW1:Reactive Energy (Q) balance while Export (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR1205           |                                                         |        |        | HR1204 (Lo-16bits)                           |
| HR1206           | POW1:Reset 3ph energies                                 | R(W)   | 1      | 0=- 1=Reset                                  |
| HR1207           | POW1:POW1 3PH Apparent power (S)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1208           |                                                         |        |        | HR1207 (Lo-16bits)                           |
| HR1209           | POW1:POW1 3PH Apparent power (S MVA)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1210           |                                                         |        |        | HR1209 (Lo-16bits)                           |
| HR1211           | POW1:POW1 3PH Active power (P)                          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1212           |                                                         |        |        | HR1211 (Lo-16bits)                           |
| HR1213           | POW1:POW1 3PH Active power (P MW)                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1214           |                                                         |        |        | HR1213 (Lo-16bits)                           |
| HR1215           | POW1:POW1 3PH Reactive power (Q)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1216           |                                                         |        |        | HR1215 (Lo-16bits)                           |
| HR1217           | POW1:POW1 3PH Reactive power (QMVar)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1218           |                                                         |        |        | HR1217 (Lo-16bits)                           |
| HR1219           | POW1:POW1 3PH Tan(phi)                                  | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1220           |                                                         |        |        | HR1219 (Lo-16bits)                           |
| HR1221           | POW1:POW1 3PH Cos(phi)                                  | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1222           |                                                         |        |        | HR1221 (Lo-16bits)                           |
| HR1223           | FLTREG:Recorded fault value                             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1224           |                                                         |        |        | HR1223 (Lo-16bits)                           |
| HR1225           | FLTREG:Recorded fault value                             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1226           |                                                         |        |        | HR1225 (Lo-16bits)                           |
| HR1227           | FLTREG:Recorded fault value                             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR1228           |                                                         |        |        | HR1227 (Lo-16bits)                           |

| Holding Register | Parameter                                                         | Access | Length | Info                                                                                                                                                                                                                                                                                                          |
|------------------|-------------------------------------------------------------------|--------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR1229           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                                                                                                                        |
| HR1230           |                                                                   |        |        | HR1229 (Lo-16bits)                                                                                                                                                                                                                                                                                            |
| HR1231           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                                                                                                                        |
| HR1232           |                                                                   |        |        | HR1231 (Lo-16bits)                                                                                                                                                                                                                                                                                            |
| HR1233           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                                                                                                                        |
| HR1234           |                                                                   |        |        | HR1233 (Lo-16bits)                                                                                                                                                                                                                                                                                            |
| HR1235           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                                                                                                                        |
| HR1236           |                                                                   |        |        | HR1235 (Lo-16bits)                                                                                                                                                                                                                                                                                            |
| HR1237           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                                                                                                                        |
| HR1238           |                                                                   |        |        | HR1237 (Lo-16bits)                                                                                                                                                                                                                                                                                            |
| HR1239           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                                                                                                                        |
| HR1240           |                                                                   |        |        | HR1239 (Lo-16bits)                                                                                                                                                                                                                                                                                            |
| HR1241           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                                                                                                                        |
| HR1242           |                                                                   |        |        | HR1241 (Lo-16bits)                                                                                                                                                                                                                                                                                            |
| HR1243           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                                                                                                                        |
| HR1244           |                                                                   |        |        | HR1243 (Lo-16bits)                                                                                                                                                                                                                                                                                            |
| HR1245           | FLTREG:Recorded fault value                                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                                                                                                                        |
| HR1246           |                                                                   |        |        | HR1245 (Lo-16bits)                                                                                                                                                                                                                                                                                            |
| HR1247           | FREQS:f atm. Protections (when not measurable returns to nominal) | R      | 2      | FLOAT [0...75] (Hi-16bits)                                                                                                                                                                                                                                                                                    |
| HR1248           |                                                                   |        |        | HR1247 (Lo-16bits)                                                                                                                                                                                                                                                                                            |
| HR1249           | DIGI:Dis                                                          | R      | 2      | 0b=DI1 1b=DI2 2b=DI3 3b=DI4 4b=DI5<br>5b=DI6 6b=DI7 7b=DI8 8b=DI9 9b=DI10<br>10b=DI11 11b=DI12 12b=DI13 13b=DI14<br>14b=DI15 15b=DI16 16b=DI17 17b=DI18<br>18b=DI19 19b=DI20 20b=DI21 21b=DI22<br>22b=DI23 23b=DI24 24b=DI25 25b=DI26<br>26b=DI27 27b=DI28 28b=DI29 29b=DI30<br>30b=DI31 31b=DI32 (Hi-16bits) |
| HR1250           |                                                                   |        |        | HR1249 (Lo-16bits)                                                                                                                                                                                                                                                                                            |

| Holding Register | Parameter                       | Access | Length | Info                                                                                                                                                                                                                                                                                                                      |
|------------------|---------------------------------|--------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR1251           | DIGI:DIs                        | R      | 2      | 0b=DI33 1b=DI34 2b=DI35 3b=DI36<br>4b=DI37 5b=DI38 6b=DI39 7b=DI40<br>8b=DI41 9b=DI42 10b=DI43 11b=DI44<br>12b=DI45 13b=DI46 14b=DI47 15b=DI48<br>16b=DI49 17b=DI50 18b=DI51 19b=DI52<br>20b=DI53 21b=DI54 22b=DI55 23b=DI56<br>24b=DI57 25b=DI58 26b=DI59 27b=DI60<br>28b=DI61 29b=DI62 30b=DI63 31b=DI64<br>(Hi-16bits) |
| HR1252           |                                 |        |        | HR1251 (Lo-16bits)                                                                                                                                                                                                                                                                                                        |
| HR1253           | RELE:Outputs status             | R      | 2      | 0b=O1 1b=O2 2b=O3 3b=O4 4b=O5<br>5b=O6 6b=O7 7b=O8 8b=O9 9b=O10<br>10b=O11 11b=O12 12b=O13 13b=O14<br>14b=O15 15b=O16 16b=O17 17b=O18<br>18b=O19 19b=O20 20b=O21 21b=O22<br>22b=O23 23b=O24 24b=O25 25b=O26<br>26b=O27 27b=O28 28b=O29 29b=O30<br>30b=O31 31b=O32 (Hi-16bits)                                             |
| HR1254           |                                 |        |        | HR1253 (Lo-16bits)                                                                                                                                                                                                                                                                                                        |
| HR1255           | SGS:Active setting group        | R      | 1      | 0=SG1 1=SG2 2=SG3 3=SG4 4=SG5<br>5=SG6 6=SG7 7=SG8                                                                                                                                                                                                                                                                        |
| HR1256           | SGS:Force setting group         | R(W)   | 1      | 0=none 1=SG1 2=SG2 3=SG3 4=SG4<br>5=SG5 6=SG6 7=SG7 8=SG8                                                                                                                                                                                                                                                                 |
| HR1257           | SGS:Force setting group change  | R(W)   | 1      | 0=Disabled 1=Enabled                                                                                                                                                                                                                                                                                                      |
| HR1258           | SGS:Used setting groups         | R(W)   | 1      | 0=SG1 1=SG1...2 2=SG1...3 3=SG1...4<br>4=SG1...5 5=SG1...6 6=SG1...7<br>7=SG1...8                                                                                                                                                                                                                                         |
| HR1259           | SGS:Remote setting group change | R(W)   | 1      | 0=none 1=SG1 2=SG2 3=SG3 4=SG4<br>5=SG5 6=SG6 7=SG7 8=SG8                                                                                                                                                                                                                                                                 |
| HR1260           | LOGIC:Reset Latches             | R(W)   | 1      | 0=- 1=Reset                                                                                                                                                                                                                                                                                                               |
| HR1261           | NOC1:l> condition               | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=Block input active                                                                                                                                                                                                                                                                 |
| HR1262           | NOC2:l>> condition              | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=Block input active                                                                                                                                                                                                                                                                 |
| HR1263           | NOC3:l>>> condition             | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=Block input active                                                                                                                                                                                                                                                                 |
| HR1264           | NOC4:l>>>> condition            | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=Block input active                                                                                                                                                                                                                                                                 |
| HR1265           | DOC1:ldir> condition            | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                                                                                                                                                                                                                         |
| HR1266           | DOC2:ldir>> condition           | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                                                                                                                                                                                                                         |
| HR1267           | DOC3:ldir>>> condition          | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                                                                                                                                                                                                                         |
| HR1268           | DOC4:ldir>>>> condition         | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                                                                                                                                                                                                                         |

| Holding Register | Parameter                 | Access | Length | Info                                                                                                              |
|------------------|---------------------------|--------|--------|-------------------------------------------------------------------------------------------------------------------|
| HR1269           | NEF1:I0> condition        | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                 |
| HR1270           | NEF1:Detected fault type  | R      | 1      | 0=- 1=A-G-R 2=B-G-F 3=C-G-R 4=A-G-F<br>5=B-G-R 6=C-G-F                                                            |
| HR1271           | NEF2:I0>> condition       | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                 |
| HR1272           | NEF2:Detected fault type  | R      | 1      | 0=- 1=A-G-R 2=B-G-F 3=C-G-R 4=A-G-F<br>5=B-G-R 6=C-G-F                                                            |
| HR1273           | NEF3:I0>>> condition      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                 |
| HR1274           | NEF3:Detected fault type  | R      | 1      | 0=- 1=A-G-R 2=B-G-F 3=C-G-R 4=A-G-F<br>5=B-G-R 6=C-G-F                                                            |
| HR1275           | NEF4:I0>>>> condition     | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                 |
| HR1276           | NEF4:Detected fault type  | R      | 1      | 0=- 1=A-G-R 2=B-G-F 3=C-G-R 4=A-G-F<br>5=B-G-R 6=C-G-F                                                            |
| HR1277           | DEF1:I0dir> condition     | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=Unearthed Start 5=Unearthed Trip<br>6=Compensated Start 7=Compensated Trip |
| HR1278           | DEF1:U0> measuring now    | R      | 1      | 0=No U0 avail! 1=U0Calc 2=U3 Input<br>3=U4 Input                                                                  |
| HR1279           | DEF1:I0 direction now     | R      | 1      | 0=Reverse 1=Forward 2=Undefined                                                                                   |
| HR1280           | DEF2:I0dir>> condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=Unearthed Start 5=Unearthed Trip<br>6=Compensated Start 7=Compensated Trip |
| HR1281           | DEF2:U0>> measuring now   | R      | 1      | 0=No U0 avail! 1=U0Calc 2=U3 Input<br>3=U4 Input                                                                  |
| HR1282           | DEF2:I0 direction now     | R      | 1      | 0=Reverse 1=Forward 2=Undefined                                                                                   |
| HR1283           | DEF3:I0dir>>> condition   | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=Unearthed Start 5=Unearthed Trip<br>6=Compensated Start 7=Compensated Trip |
| HR1284           | DEF3:U0>>> measuring now  | R      | 1      | 0=No U0 avail! 1=U0Calc 2=U3 Input<br>3=U4 Input                                                                  |
| HR1285           | DEF3:I0 direction now     | R      | 1      | 0=Reverse 1=Forward 2=Undefined                                                                                   |
| HR1286           | DEF4:I0dir>>>> condition  | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=Unearthed Start 5=Unearthed Trip<br>6=Compensated Start 7=Compensated Trip |
| HR1287           | DEF4:U0>>>> measuring now | R      | 1      | 0=No U0 avail! 1=U0Calc 2=U3 Input<br>3=U4 Input                                                                  |
| HR1288           | DEF4:I0 direction now     | R      | 1      | 0=Reverse 1=Forward 2=Undefined                                                                                   |

| Holding Register | Parameter                | Access | Length | Info                                            |
|------------------|--------------------------|--------|--------|-------------------------------------------------|
| HR1289           | IEF1:I0Int> condition    | R      | 1      | 0=Normal 1=StartFWD 2=StartREV 3=Trip 4=Blocked |
| HR1290           | IEF1:U0> measuring now   | R      | 1      | 0=No U0 avail! 1=U3 Input 2=U4 Input            |
| HR1291           | CUB1:I2> condition       | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked               |
| HR1292           | CUB2:I2>> condition      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked               |
| HR1293           | CUB3:I2>>> condition     | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked               |
| HR1294           | CUB4:I2>>>> condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked               |
| HR1295           | HOC1:Ih> condition       | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked               |
| HR1296           | HOC1:L1 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1297           |                          |        |        | HR1296 (Lo-16bits)                              |
| HR1298           | HOC1:L1 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1299           |                          |        |        | HR1298 (Lo-16bits)                              |
| HR1300           | HOC1:L2 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1301           |                          |        |        | HR1300 (Lo-16bits)                              |
| HR1302           | HOC1:L2 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1303           |                          |        |        | HR1302 (Lo-16bits)                              |
| HR1304           | HOC1:L3 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1305           |                          |        |        | HR1304 (Lo-16bits)                              |
| HR1306           | HOC1:L3 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1307           |                          |        |        | HR1306 (Lo-16bits)                              |
| HR1308           | HOC1:I01 harmonic (p.u.) | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1309           |                          |        |        | HR1308 (Lo-16bits)                              |
| HR1310           | HOC1:I01 harmonic (%)    | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1311           |                          |        |        | HR1310 (Lo-16bits)                              |
| HR1312           | HOC1:I02 harmonic (p.u.) | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1313           |                          |        |        | HR1312 (Lo-16bits)                              |
| HR1314           | HOC1:I02 harmonic (%)    | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1315           |                          |        |        | HR1314 (Lo-16bits)                              |
| HR1316           | HOC2:Ih>> condition      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked               |
| HR1317           | HOC2:L1 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)                  |
| HR1318           |                          |        |        | HR1317 (Lo-16bits)                              |

| Holding Register | Parameter                | Access | Length | Info                              |
|------------------|--------------------------|--------|--------|-----------------------------------|
| HR1319           | HOC2:L1 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1320           |                          |        |        | HR1319 (Lo-16bits)                |
| HR1321           | HOC2:L2 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1322           |                          |        |        | HR1321 (Lo-16bits)                |
| HR1323           | HOC2:L2 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1324           |                          |        |        | HR1323 (Lo-16bits)                |
| HR1325           | HOC2:L3 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1326           |                          |        |        | HR1325 (Lo-16bits)                |
| HR1327           | HOC2:L3 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1328           |                          |        |        | HR1327 (Lo-16bits)                |
| HR1329           | HOC2:I01 harmonic (p.u.) | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1330           |                          |        |        | HR1329 (Lo-16bits)                |
| HR1331           | HOC2:I01 harmonic (%)    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1332           |                          |        |        | HR1331 (Lo-16bits)                |
| HR1333           | HOC2:I02 harmonic (p.u.) | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1334           |                          |        |        | HR1333 (Lo-16bits)                |
| HR1335           | HOC2:I02 harmonic (%)    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1336           |                          |        |        | HR1335 (Lo-16bits)                |
| HR1337           | HOC3:Ih>>> condition     | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked |
| HR1338           | HOC3:L1 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1339           |                          |        |        | HR1338 (Lo-16bits)                |
| HR1340           | HOC3:L1 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1341           |                          |        |        | HR1340 (Lo-16bits)                |
| HR1342           | HOC3:L2 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1343           |                          |        |        | HR1342 (Lo-16bits)                |
| HR1344           | HOC3:L2 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1345           |                          |        |        | HR1344 (Lo-16bits)                |
| HR1346           | HOC3:L3 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1347           |                          |        |        | HR1346 (Lo-16bits)                |
| HR1348           | HOC3:L3 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |

| Holding Register | Parameter                | Access | Length | Info                              |
|------------------|--------------------------|--------|--------|-----------------------------------|
| HR1349           |                          |        |        | HR1348 (Lo-16bits)                |
| HR1350           | HOC3:I01 harmonic (p.u.) | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1351           |                          |        |        | HR1350 (Lo-16bits)                |
| HR1352           | HOC3:I01 harmonic (%)    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1353           |                          |        |        | HR1352 (Lo-16bits)                |
| HR1354           | HOC3:I02 harmonic (p.u.) | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1355           |                          |        |        | HR1354 (Lo-16bits)                |
| HR1356           | HOC3:I02 harmonic (%)    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1357           |                          |        |        | HR1356 (Lo-16bits)                |
| HR1358           | HOC4:Ih>>>> condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked |
| HR1359           | HOC4:L1 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1360           |                          |        |        | HR1359 (Lo-16bits)                |
| HR1361           | HOC4:L1 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1362           |                          |        |        | HR1361 (Lo-16bits)                |
| HR1363           | HOC4:L2 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1364           |                          |        |        | HR1363 (Lo-16bits)                |
| HR1365           | HOC4:L2 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1366           |                          |        |        | HR1365 (Lo-16bits)                |
| HR1367           | HOC4:L3 harmonic (p.u.)  | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1368           |                          |        |        | HR1367 (Lo-16bits)                |
| HR1369           | HOC4:L3 harmonic (%)     | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1370           |                          |        |        | HR1369 (Lo-16bits)                |
| HR1371           | HOC4:I01 harmonic (p.u.) | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1372           |                          |        |        | HR1371 (Lo-16bits)                |
| HR1373           | HOC4:I01 harmonic (%)    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1374           |                          |        |        | HR1373 (Lo-16bits)                |
| HR1375           | HOC4:I02 harmonic (p.u.) | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1376           |                          |        |        | HR1375 (Lo-16bits)                |
| HR1377           | HOC4:I02 harmonic (%)    | R      | 2      | FLOAT [0...100000] (Hi-16bits)    |
| HR1378           |                          |        |        | HR1377 (Lo-16bits)                |

| Holding Register | Parameter                           | Access | Length | Info                                                                                                                                                                                      |
|------------------|-------------------------------------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR1379           | CLP1:CLP condition                  | R      | 1      | 0=Normal 1=Curr low 2=Overcurrent On 3=CLPU On 4=CLPU blocked                                                                                                                             |
| HR1380           | CBF1:CBFP condition                 | R      | 1      | 0=Normal 1=Start 2=ReTrip 3=CBFP On 4=Blocked                                                                                                                                             |
| HR1381           | TRF1:Transformer is now             | R      | 1      | 0=No/LightLoad 1=Energizing 2=Normal load 3=Overloaded 4=On high overload                                                                                                                 |
| HR1382           | DIF1:Idx> condition                 | R      | 2      | 0b=Idb> Trip 1b=Idb> Blocked 2b=Idi> Trip 3b=Idi> Blocked 4b=2nd Harm block on 5b=5th harm block on 6b=L1 2h On 7b=L2 2h On 8b=L3 2h On 9b=L1 5h On 10b=L2 5h On 11b=L3 5h On (Hi-16bits) |
| HR1383           |                                     |        |        | HR1382 (Lo-16bits)                                                                                                                                                                        |
| HR1384           | DIF1:L1 Condition                   | R      | 1      | 0=No Diff 1=Magnitude diff 2=Angle diff 3=Mag.and angle diff                                                                                                                              |
| HR1385           | DIF1:L2 Condition                   | R      | 1      | 0=No Diff 1=Magnitude diff 2=Angle diff 3=Mag.and angle diff                                                                                                                              |
| HR1386           | DIF1:L3 Condition                   | R      | 1      | 0=No Diff 1=Magnitude diff 2=Angle diff 3=Mag.and angle diff                                                                                                                              |
| HR1387           | REF1:I0d> condition                 | R      | 1      | 0=Normal 1=Trip 2=Blocked                                                                                                                                                                 |
| HR1388           | TOLT1:TT> condition                 | R      | 1      | 0=Normal 1=Alarm1 On 2=Alarm2 On 3=Inhibit On 4=Trip On 5=Blocked                                                                                                                         |
| HR1389           | TOLT1:Thermal status                | R      | 1      | 0=Light / No load 1=High overload 2=Overloading 3=Load normal                                                                                                                             |
| HR1390           | TOLT1:Temp C or F deg               | R(W)   | 1      | 0=C 1=F                                                                                                                                                                                   |
| HR1391           | TOLT1:Ambient Temp Sel              | R(W)   | 1      | 0=Manual Set 1=RTD Meas                                                                                                                                                                   |
| HR1392           | TOLT1:RTD Sensor                    | R      | 1      | 0=Invalid 1=OK                                                                                                                                                                            |
| HR1393           | TOLF1:TF> condition                 | R      | 1      | 0=Normal 1=Alarm1 On 2=Alarm2 On 3=Inhibit On 4=Trip On 5=Blocked                                                                                                                         |
| HR1394           | TOLF1:Thermal status                | R      | 1      | 0=Light / No load 1=High overload 2=Overloading 3=Load normal                                                                                                                             |
| HR1395           | TOLF1:Temp C or F deg               | R(W)   | 1      | 0=C 1=F                                                                                                                                                                                   |
| HR1396           | TOLF1:Ambient Temp Sel              | R(W)   | 1      | 0=Manual Set 1=RTD Meas                                                                                                                                                                   |
| HR1397           | TOLF1:RTD Sensor                    | R(W)   | 1      | 0=Invalid 1=OK                                                                                                                                                                            |
| HR1398           | TOLF1:Set or Estimate tau (t const) | R(W)   | 1      | 0=Set 1=Estimate                                                                                                                                                                          |
| HR1399           | MST1:Motor is now                   | R      | 1      | 0=Stopped 1=Starting 2=Running 3=Stalled                                                                                                                                                  |
| HR1400           | TOLM1:TM> condition                 | R      | 1      | 0=Normal 1=Alarm1 On 2=Alarm2 On 3=Inhibit On 4=Trip On 5=Blocked                                                                                                                         |



| Holding Register | Parameter                           | Access | Length | Info                                                                      |
|------------------|-------------------------------------|--------|--------|---------------------------------------------------------------------------|
| HR1401           | TOLM1:Motor status                  | R      | 1      | 0=Stopped 1=Stalled 2=JustStopped 3=Overloading 4=Running normal          |
| HR1402           | TOLM1:Temp C or F deg               | R(W)   | 1      | 0=C 1=F                                                                   |
| HR1403           | TOLM1:NPS Biasing in use            | R(W)   | 1      | 0=No NPS biasing 1=NPS Biasing in use                                     |
| HR1404           | TOLM1:Time constants                | R(W)   | 1      | 0=Single 1=Multiple                                                       |
| HR1405           | TOLM1:Estimate Short TC and timings | R(W)   | 1      | 0=Set manually 1=Estimate (on-line)                                       |
| HR1406           | TOLM1:T const dyn. balancing        | R(W)   | 1      | 0=Fixed 1=Dynamic                                                         |
| HR1407           | TOLM1:Dev.Temp (tmax)               | R(W)   | 1      | 0=A 1=B 2=F 3=H 4=Manual set                                              |
| HR1408           | TOLM1:Amb. T Selection              | R(W)   | 1      | 0=Manual set 1=RTD                                                        |
| HR1409           | TOLM1:RTD Sensor                    | R      | 1      | 0=Invalid 1=OK                                                            |
| HR1410           | LCR1:ISt> condition                 | R      | 1      | 0=Normal 1=Start 2=Set time Trip 3=M cap Trip 4=Blocked                   |
| HR1411           | FSP1:N> condition                   | R      | 1      | 0=Normal 1=Alarm On 2=Inhibits 3=Blocked                                  |
| HR1412           | NUC1:I< condition                   | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                         |
| HR1413           | MJP1:Im> condition                  | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                         |
| HR1414           | OV1:U> condition                    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active                    |
| HR1415           | OV2:U>> condition                   | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active                    |
| HR1416           | OV3:U>>> condition                  | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active                    |
| HR1417           | OV4:U>>>> condition                 | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active                    |
| HR1418           | UV1:U< condition                    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Undervolt Blk On 5=Block input active |
| HR1419           | UV2:U<< condition                   | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Undervolt Blk On 5=Block input active |
| HR1420           | UV3:U<<< condition                  | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Undervolt Blk On 5=Block input active |
| HR1421           | UV4:U<<<< condition                 | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Undervolt Blk On 5=Block input active |
| HR1422           | NOV1:U0> condition                  | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                         |
| HR1423           | NOV1:U0> measuring now              | R      | 1      | 0=No U0 avail! 1=U0Calc 2=U3 Input 3=U4 Input                             |
| HR1424           | NOV2:U0>> condition                 | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                         |

| Holding Register | Parameter                     | Access | Length | Info                                                   |
|------------------|-------------------------------|--------|--------|--------------------------------------------------------|
| HR1425           | NOV2:U0>> measuring now       | R      | 1      | 0=No U0 avail! 1=U0Calc 2=U3 Input 3=U4 Input          |
| HR1426           | NOV3:U0>>> condition          | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1427           | NOV3:U0>>> measuring now      | R      | 1      | 0=No U0 avail! 1=U0Calc 2=U3 Input 3=U4 Input          |
| HR1428           | NOV4:U0>>>> condition         | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1429           | NOV4:U0>>>> measuring now     | R      | 1      | 0=No U0 avail! 1=U0Calc 2=U3 Input 3=U4 Input          |
| HR1430           | VUB1:U1/2 >/< condition       | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1431           | VUB2:U1/2 >>/<< condition     | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1432           | VUB3:U1/2 >>>/<<< condition   | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1433           | VUB4:U1/2 >>>>/<<<< condition | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1434           | FRQC1:f> [Curr] condition     | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1435           | FRQC1:f>> [Curr] condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1436           | FRQC1:f>>> [Curr] condition   | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1437           | FRQC1:f>>>> [Curr] condition  | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1438           | FRQC1:f< [Curr] condition     | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1439           | FRQC1:f<< [Curr] condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1440           | FRQC1:f<<< [Curr] condition   | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1441           | FRQC1:f<<<< [Curr] condition  | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                      |
| HR1442           | FRQV1:f> condition            | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active |
| HR1443           | FRQV1:f>> condition           | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active |
| HR1444           | FRQV1:f>>> condition          | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active |
| HR1445           | FRQV1:f>>>> condition         | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active |
| HR1446           | FRQV1:f< condition            | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active |
| HR1447           | FRQV1:f<< condition           | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active |
| HR1448           | FRQV1:f<<< condition          | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active |
| HR1449           | FRQV1:f<<<< condition         | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked 4=Block input active |

| Holding Register | Parameter                       | Access | Length | Info                                                                                                                  |
|------------------|---------------------------------|--------|--------|-----------------------------------------------------------------------------------------------------------------------|
| HR1450           | DFT1:df/dt >/< (1) condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1451           | DFT1:df/dt >/< (2) condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1452           | DFT1:df/dt >/< (3) condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1453           | DFT1:df/dt >/< (4) condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1454           | DFT1:df/dt >/< (5) condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1455           | DFT1:df/dt >/< (6) condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1456           | DFT1:df/dt >/< (7) condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1457           | DFT1:df/dt >/< (8) condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1458           | GST1:Generator is now           | R      | 1      | 0=No/LightLoad 1=Normal load<br>2=Overloaded 3=On high overload                                                       |
| HR1459           | OPW1:P> condition (OBSOLETE)    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1460           | UPW1:P< condition (OBSOLETE)    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1461           | RPW1:Prev> condition (OBSOLETE) | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1462           | SEF1:U03rd< condition           | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1463           | SEF1:U03rd< measuring now       | R      | 1      | 0=No U0 avail! 1=U3 Input 2=U4 Input                                                                                  |
| HR1464           | UEX1:Q< condition               | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1465           | UIM1:Z< condition               | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1466           | VOC1:lv> condition              | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                     |
| HR1467           | VOC1:Voltage measurement        | R      | 1      | 0=Invalid U1 not avail. 1=Ok                                                                                          |
| HR1468           | VHZ1:V/Hz(1) > condition        | R      | 1      | 0=Normal 1=Start 2=Alarm 3=Trip<br>4=Blocked                                                                          |
| HR1469           | UPF1:PF< condition              | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=Alarm Start 5=Alarm                                                            |
| HR1470           | ARC1:I/I0 Arc> condition        | R      | 2      | 0b=Z1 Trip 1b=Z1 Blocked 2b=Z2 Trip<br>3b=Z2 Blocked 4b=Z3 Trip 5b=Z3 Blocked<br>6b=Z4 Trip 7b=Z4 Blocked (Hi-16bits) |
| HR1471           |                                 |        |        | HR1470 (Lo-16bits)                                                                                                    |
| HR1472           | CTS1:CTS1 condition             | R      | 1      | 0=Normal 1=Alarm 2=Blocked                                                                                            |
| HR1473           | CTS2:CTS2 condition             | R      | 1      | 0=Normal 1=Alarm 2=Blocked                                                                                            |
| HR1474           | VTS1:VTS condition              | R      | 1      | 0=Normal 1=Start 2=VTLinefail<br>3=VTBusfail 4=Blocked                                                                |

| Holding Register | Parameter                    | Access | Length | Info                                                                                                                                                 |
|------------------|------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR1475           | VTS1:Bus voltages            | R      | 1      | 0=Bus dead 1=Bus Live VTS Ok SEQ Ok<br>2=Bus Live VTS Ok SEQ Rev 3=Bus Live VTS Ok SEQ Undef 4=Bus Live VTS problem                                  |
| HR1476           | FLX1:Fault locator condition | R      | 1      | 0=Idle 1=Triggered 2=Calc ready                                                                                                                      |
| HR1477           | THD1:THD condition           | R      | 1      | 0=Normal 1=Start 2=Alarm 3=Blocked                                                                                                                   |
| HR1478           | CBW1:CBW condition           | R      | 1      | 0=Normal 1=Alarm1 On 2=Alarm2 On                                                                                                                     |
| HR1479           | NJK1:U0> RECL condition      | R      | 1      | 0=Normal 1=Requested 2=Blocked<br>3=Active 4=BK clo cmd 5=Bk Closed.U0> blocked                                                                      |
| HR1480           | SOF1:SOTF condition          | R      | 1      | 0=Normal 1=Init 2=Active 3=Trip<br>4=Blocked                                                                                                         |
| HR1481           | SYN1:SYN1 Condition          | R      | 2      | 0b=SYN1 Blocked 1b=SYN1 Ok 2b=SYN1 Bypass 3b=SYN1 Vcond Ok 4b=SYN1 Vdiff Ok 5b=SYN1 Adiff Ok 6b=SYN1 fdiff Ok 7b=SYN1 block input active (Hi-16bits) |
| HR1482           |                              |        |        | HR1481 (Lo-16bits)                                                                                                                                   |
| HR1483           | SYN1:SYN2 Condition          | R      | 2      | 0b=SYN2 Blocked 1b=SYN2 Ok 2b=SYN2 Bypass 3b=SYN2 Vcond Ok 4b=SYN2 Vdiff Ok 5b=SYN2 Adiff Ok 6b=SYN2 fdiff Ok 7b=SYN2 block input active (Hi-16bits) |
| HR1484           |                              |        |        | HR1483 (Lo-16bits)                                                                                                                                   |
| HR1485           | SYN1:SYN3 Condition          | R      | 2      | 0b=SYN3 Blocked 1b=SYN3 Ok 2b=SYN3 Bypass 3b=SYN3 Vcond Ok 4b=SYN3 Vdiff Ok 5b=SYN3 Adiff Ok 6b=SYN3 fdiff Ok 7b=SYN3 block input active (Hi-16bits) |
| HR1486           |                              |        |        | HR1485 (Lo-16bits)                                                                                                                                   |
| HR1487           | OBJ1:Object1 Breaker Status  | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                 |
| HR1488           | OBJ2:Object2 Breaker Status  | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                 |
| HR1489           | OBJ3:Object3 Breaker Status  | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                 |
| HR1490           | OBJ4:Object4 Breaker Status  | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                 |
| HR1491           | OBJ5:Object5 Breaker Status  | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                 |
| HR1492           | CIN1:Ind.1 Object Status     | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                 |
| HR1493           | CIN2:Ind.2 Object Status     | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                 |
| HR1494           | CIN3:Ind.3 Object Status     | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                 |
| HR1495           | CIN4:Ind.4 Object Status     | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                 |
| HR1496           | CIN5:Ind.5 Object Status     | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                 |

| Holding Register | Parameter                            | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|--------------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR1497           | AR1:AR status                        | R      | 2      | 0b=AR is inhibit 1b=AR is ready 2b=AR is locked 3b=AR is running 4b=AR is not running 5b=Lock out delay is running 6b=Reclaim time counting 7b=Start time counting 8b=Dead time counting 9b=Arcing or discr time counting 10b=Reclaim time counting 11b=AR1 Requested 12b=AR2 Requested 13b=AR3 Requested 14b=AR4 Requested 15b=AR5 Requested 16b=Executing Shot1 17b=Executing Shot2 18b=Executing Shot3 19b=Executing Shot4 20b=Executing Shot5 21b=Shot Clear (Hi-16bits) |
| HR1498           |                                      |        |        | HR1497 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HR1499           | AR1:Timer active                     | R      | 1      | 0=- 1=AR Lockout 2=AR Reset Reclaim 3=AR Start Delay 4=AR Dead Time 5=AR Discrimination 6=AR Shot Reclaim                                                                                                                                                                                                                                                                                                                                                                    |
| HR1500           | VRG1:Vreg settings condition         | R      | 2      | 0b=U>> set too low 1b=U< set too high 2b=U> set higher than U>> 3b=U< set lower than U<< 4=U>>> set too low 5=U<<< set too high 6=VT selection not ok (Hi-16bits)                                                                                                                                                                                                                                                                                                            |
| HR1501           |                                      |        |        | HR1500 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HR1502           | VRG1:Vreg condition                  | R      | 2      | 0b=Raise command on 1b=Lower command on 2b=Operation blocked 3b=Output control blocked 4b=U<<< Block on 5b=I> block on 6b=Tap on highlimit 7b=Tap on lowlimit 8b=Operation blocked 9b=U>/< pickup on 10b=U>>/<< pickup on 11b=Control wait time on 12b=Manual control on (Hi-16bits)                                                                                                                                                                                         |
| HR1503           |                                      |        |        | HR1502 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HR1504           | VRG1:Vreg timer active               | R      | 1      | 0=- 1=Fine tune Decrease 2=Fine tune Increase 3=Low set Decrease 4=High set Decrease 5=Instant Decrease 6=Low set Increase 7=High set Increase                                                                                                                                                                                                                                                                                                                               |
| HR1505           | VRG1:Voltage measurement condition   | R      | 1      | 0=Not configured 1=System U12 2=System U23 3=System U31 4=VT4 meas U12 5=VT4 meas U23 6=VT4 meas U31 7=VT4 conf not ok                                                                                                                                                                                                                                                                                                                                                       |
| HR1506           | EMON1:I> (50) Monitor condition      | R      | 1      | 0=Normal 1=FLTdetected                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| HR1507           | EMON1:I0> (50N) Monitor condition    | R      | 1      | 0=Normal 1=FLTdetected                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| HR1508           | EMON1:Idir> (67) Monitor condition   | R      | 1      | 0=Normal 1=FLTdetected                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| HR1509           | EMON1:I0dir> (67N) Monitor condition | R      | 1      | 0=Normal 1=FLTdetected                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Holding Register | Parameter                             | Access | Length | Info                                                                                                                                                                                                                                                                                   |
|------------------|---------------------------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR1510           | EMON1:I0Int> (67NT) Monitor condition | R      | 1      | 0=Normal 1=FLTFW 2=FLTREV                                                                                                                                                                                                                                                              |
| HR1511           | EMON1:U< (27) Monitor condition       | R      | 1      | 0=Normal 1=Undervoltage 2=Novoltage                                                                                                                                                                                                                                                    |
| HR1512           | EMON1:U0> (59N) Monitor condition     | R      | 1      | 0=Normal 1=FLTdetected                                                                                                                                                                                                                                                                 |
| HR1513           | EMON1:FL (21FL) Monitor condition     | R      | 1      | 0=Normal 1=FLTdetected                                                                                                                                                                                                                                                                 |
| HR1514           | MEAS1:Meas1 IL ang. Ref               | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                                                                                                                                                                                                                         |
| HR1515           |                                       |        |        | HR1514 (Lo-16bits)                                                                                                                                                                                                                                                                     |
| HR1516           | DIF1:REFHV> condition                 | R      | 2      | 0b=HV REF Blocked 1b=HV REF Trip (Hi-16bits)                                                                                                                                                                                                                                           |
| HR1517           |                                       |        |        | HR1516 (Lo-16bits)                                                                                                                                                                                                                                                                     |
| HR1518           | DIF1:REFLV> condition                 | R      | 2      | 0b=LV REF Blocked 1b=LV REF Trip (Hi-16bits)                                                                                                                                                                                                                                           |
| HR1519           |                                       |        |        | HR1518 (Lo-16bits)                                                                                                                                                                                                                                                                     |
| HR1520           | ALARM:Alarms 1-32                     | R      | 2      | 0b=A1 1b=A2 2b=A3 3b=A4 4b=A5<br>5b=A6 6b=A7 7b=A8 8b=A9 9b=A10<br>10b=A11 11b=A12 12b=A13 13b=A14<br>14b=A15 15b=A16 16b=A17 17b=A18<br>18b=A19 19b=A20 20b=A21 21b=A22<br>22b=A23 23b=A24 24b=A25 25b=A26<br>26b=A27 27b=A28 28b=A29 29b=A30<br>30b=A31 31b=A32 (Hi-16bits)          |
| HR1521           |                                       |        |        | HR1520 (Lo-16bits)                                                                                                                                                                                                                                                                     |
| HR1522           | ALARM:Alarms 33-64                    | R      | 2      | 0b=A33 1b=A34 2b=A35 3b=A36 4b=A37<br>5b=A38 6b=A39 7b=A40 8b=A41 9b=A42<br>10b=A43 11b=A44 12b=A45 13b=A46<br>14b=A47 15b=A48 16b=A49 17b=A50<br>18b=A51 19b=A52 20b=A53 21b=A54<br>22b=A55 23b=A56 24b=A57 25b=A58<br>26b=A59 27b=A60 28b=A61 29b=A62<br>30b=A63 31b=A64 (Hi-16bits) |
| HR1523           |                                       |        |        | HR1522 (Lo-16bits)                                                                                                                                                                                                                                                                     |
| HR1524           | DIAG:Configuration changed            | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)                                                                                                                                                                                                                                                    |
| HR1525           |                                       |        |        | HR1524 (Lo-16bits)                                                                                                                                                                                                                                                                     |
| HR1526           | RTDIN:S1 Measurement(Raw)             | R      | 2      | FLOAT [-200...2000] (Hi-16bits)                                                                                                                                                                                                                                                        |
| HR1527           |                                       |        |        | HR1526 (Lo-16bits)                                                                                                                                                                                                                                                                     |
| HR1528           | RTDIN:S2 Measurement(Raw)             | R      | 2      | FLOAT [-200...2000] (Hi-16bits)                                                                                                                                                                                                                                                        |
| HR1529           |                                       |        |        | HR1528 (Lo-16bits)                                                                                                                                                                                                                                                                     |
| HR1530           | RTDIN:S3 Measurement(Raw)             | R      | 2      | FLOAT [-200...2000] (Hi-16bits)                                                                                                                                                                                                                                                        |

| Holding Register | Parameter                  | Access | Length | Info                            |
|------------------|----------------------------|--------|--------|---------------------------------|
| HR1531           |                            |        |        | HR1530 (Lo-16bits)              |
| HR1532           | RTDIN:S4 Measurement(Raw)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1533           |                            |        |        | HR1532 (Lo-16bits)              |
| HR1534           | RTDIN:S5 Measurement(Raw)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1535           |                            |        |        | HR1534 (Lo-16bits)              |
| HR1536           | RTDIN:S6 Measurement(Raw)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1537           |                            |        |        | HR1536 (Lo-16bits)              |
| HR1538           | RTDIN:S7 Measurement(Raw)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1539           |                            |        |        | HR1538 (Lo-16bits)              |
| HR1540           | RTDIN:S7 Measurement mA    | R      | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR1541           |                            |        |        | HR1540 (Lo-16bits)              |
| HR1542           | RTDIN:S8 Measurement(Raw)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1543           |                            |        |        | HR1542 (Lo-16bits)              |
| HR1544           | RTDIN:S8 Measurement mA    | R      | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR1545           |                            |        |        | HR1544 (Lo-16bits)              |
| HR1546           | RTDIN:S9 Measurement(Raw)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1547           |                            |        |        | HR1546 (Lo-16bits)              |
| HR1548           | RTDIN:S10 Measurement(Raw) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1549           |                            |        |        | HR1548 (Lo-16bits)              |
| HR1550           | RTDIN:S11 Measurement(Raw) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1551           |                            |        |        | HR1550 (Lo-16bits)              |
| HR1552           | RTDIN:S12 Measurement(Raw) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1553           |                            |        |        | HR1552 (Lo-16bits)              |
| HR1554           | RTDIN:S13 Measurement(Raw) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1555           |                            |        |        | HR1554 (Lo-16bits)              |
| HR1556           | RTDIN:S14 Measurement(Raw) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1557           |                            |        |        | HR1556 (Lo-16bits)              |
| HR1558           | RTDIN:S15 Measurement(Raw) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1559           |                            |        |        | HR1558 (Lo-16bits)              |
| HR1560           | RTDIN:S15 Measurement mA   | R      | 2      | FLOAT [0...20] (Hi-16bits)      |

| Holding Register | Parameter                         | Access | Length | Info                            |
|------------------|-----------------------------------|--------|--------|---------------------------------|
| HR1561           |                                   |        |        | HR1560 (Lo-16bits)              |
| HR1562           | RTDIN:S16 Measurement(Raw)        | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1563           |                                   |        |        | HR1562 (Lo-16bits)              |
| HR1564           | RTDIN:S16 Measurement mA          | R      | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR1565           |                                   |        |        | HR1564 (Lo-16bits)              |
| HR1566           | RTD1:S1 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1567           |                                   |        |        | HR1566 (Lo-16bits)              |
| HR1568           | RTD1:S2 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1569           |                                   |        |        | HR1568 (Lo-16bits)              |
| HR1570           | RTD1:S3 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1571           |                                   |        |        | HR1570 (Lo-16bits)              |
| HR1572           | RTD1:S4 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1573           |                                   |        |        | HR1572 (Lo-16bits)              |
| HR1574           | RTD1:S5 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1575           |                                   |        |        | HR1574 (Lo-16bits)              |
| HR1576           | RTD1:S6 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1577           |                                   |        |        | HR1576 (Lo-16bits)              |
| HR1578           | RTD1:S7 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1579           |                                   |        |        | HR1578 (Lo-16bits)              |
| HR1580           | RTD1:S8 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1581           |                                   |        |        | HR1580 (Lo-16bits)              |
| HR1582           | RTD1:S9 Measurement (Protection)  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1583           |                                   |        |        | HR1582 (Lo-16bits)              |
| HR1584           | RTD1:S10 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1585           |                                   |        |        | HR1584 (Lo-16bits)              |
| HR1586           | RTD1:S11 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1587           |                                   |        |        | HR1586 (Lo-16bits)              |
| HR1588           | RTD1:S12 Measurement (Protection) | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR1589           |                                   |        |        | HR1588 (Lo-16bits)              |



| Holding Register | Parameter         | Access | Length | Info                                       |
|------------------|-------------------|--------|--------|--------------------------------------------|
| HR1590           | RTD1:S1 Alarm1 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1591           |                   |        |        | HR1590 (Lo-16bits)                         |
| HR1592           | RTD1:S1 Alarm2 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1593           |                   |        |        | HR1592 (Lo-16bits)                         |
| HR1594           | RTD1:S2 Alarm1 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1595           |                   |        |        | HR1594 (Lo-16bits)                         |
| HR1596           | RTD1:S2 Alarm2 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1597           |                   |        |        | HR1596 (Lo-16bits)                         |
| HR1598           | RTD1:S3 Alarm1 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1599           |                   |        |        | HR1598 (Lo-16bits)                         |
| HR1600           | RTD1:S3 Alarm2 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1601           |                   |        |        | HR1600 (Lo-16bits)                         |
| HR1602           | RTD1:S4 Alarm1 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1603           |                   |        |        | HR1602 (Lo-16bits)                         |
| HR1604           | RTD1:S4 Alarm2 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1605           |                   |        |        | HR1604 (Lo-16bits)                         |
| HR1606           | RTD1:S5 Alarm1 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1607           |                   |        |        | HR1606 (Lo-16bits)                         |
| HR1608           | RTD1:S5 Alarm2 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1609           |                   |        |        | HR1608 (Lo-16bits)                         |
| HR1610           | RTD1:S6 Alarm1 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1611           |                   |        |        | HR1610 (Lo-16bits)                         |
| HR1612           | RTD1:S6 Alarm2 On | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1613           |                   |        |        | HR1612 (Lo-16bits)                         |

| Holding Register | Parameter                | Access | Length | Info                                         |
|------------------|--------------------------|--------|--------|----------------------------------------------|
| HR1614           | RTD1:S7 Alarm1 On        | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1615           |                          |        |        | HR1614 (Lo-16bits)                           |
| HR1616           | RTD1:S7 Alarm2 On        | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1617           |                          |        |        | HR1616 (Lo-16bits)                           |
| HR1618           | RTD1:S8 Alarm1 On        | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1619           |                          |        |        | HR1618 (Lo-16bits)                           |
| HR1620           | RTD1:S8 Alarm2 On        | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1621           |                          |        |        | HR1620 (Lo-16bits)                           |
| HR1622           | RTD1:S9 Alarm1 On        | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1623           |                          |        |        | HR1622 (Lo-16bits)                           |
| HR1624           | RTD1:S9 Alarm2 On        | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1625           |                          |        |        | HR1624 (Lo-16bits)                           |
| HR1626           | RTD1:S10 Alarm1 On       | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1627           |                          |        |        | HR1626 (Lo-16bits)                           |
| HR1628           | RTD1:S10 Alarm2 On       | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1629           |                          |        |        | HR1628 (Lo-16bits)                           |
| HR1630           | RTD1:S11 Alarm1 On       | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1631           |                          |        |        | HR1630 (Lo-16bits)                           |
| HR1632           | RTD1:S11 Alarm2 On       | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1633           |                          |        |        | HR1632 (Lo-16bits)                           |
| HR1634           | RTD1:S12 Alarm1 On       | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |
| HR1635           |                          |        |        | HR1634 (Lo-16bits)                           |
| HR1636           | VHZ1:V/Hz(2) > condition | R      | 1      | 0=Normal 1=Start 2=Alarm 3=Trip<br>4=Blocked |
| HR1637           | RTD1:S12 Alarm2 On       | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)   |

| Holding Register | Parameter             | Access | Length | Info                                       |
|------------------|-----------------------|--------|--------|--------------------------------------------|
| HR1638           |                       |        |        | HR1637 (Lo-16bits)                         |
| HR1639           | UIM2:Z<< condition    | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked          |
| HR1640           | RTD1:S1 Meas Invalid  | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1641           |                       |        |        | HR1640 (Lo-16bits)                         |
| HR1642           | RTD1:S2 Meas Invalid  | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1643           |                       |        |        | HR1642 (Lo-16bits)                         |
| HR1644           | RTD1:S3 Meas Invalid  | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1645           |                       |        |        | HR1644 (Lo-16bits)                         |
| HR1646           | RTD1:S4 Meas Invalid  | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1647           |                       |        |        | HR1646 (Lo-16bits)                         |
| HR1648           | RTD1:S5 Meas Invalid  | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1649           |                       |        |        | HR1648 (Lo-16bits)                         |
| HR1650           | RTD1:S6 Meas Invalid  | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1651           |                       |        |        | HR1650 (Lo-16bits)                         |
| HR1652           | RTD1:S7 Meas Invalid  | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1653           |                       |        |        | HR1652 (Lo-16bits)                         |
| HR1654           | RTD1:S8 Meas Invalid  | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1655           |                       |        |        | HR1654 (Lo-16bits)                         |
| HR1656           | RTD1:S9 Meas Invalid  | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1657           |                       |        |        | HR1656 (Lo-16bits)                         |
| HR1658           | RTD1:S10 Meas Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1659           |                       |        |        | HR1658 (Lo-16bits)                         |
| HR1660           | RTD1:S11 Meas Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1661           |                       |        |        | HR1660 (Lo-16bits)                         |

| Holding Register | Parameter                  | Access | Length | Info                                       |
|------------------|----------------------------|--------|--------|--------------------------------------------|
| HR1662           | RTD1:S12 Meas Invalid      | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1663           |                            |        |        | HR1662 (Lo-16bits)                         |
| HR1664           | MBIO:MBIO ModA Ch1 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1665           |                            |        |        | HR1664 (Lo-16bits)                         |
| HR1666           | MBIO:MBIO ModA Ch2 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1667           |                            |        |        | HR1666 (Lo-16bits)                         |
| HR1668           | MBIO:MBIO ModA Ch3 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1669           |                            |        |        | HR1668 (Lo-16bits)                         |
| HR1670           | MBIO:MBIO ModA Ch4 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1671           |                            |        |        | HR1670 (Lo-16bits)                         |
| HR1672           | MBIO:MBIO ModA Ch5 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1673           |                            |        |        | HR1672 (Lo-16bits)                         |
| HR1674           | MBIO:MBIO ModA Ch6 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1675           |                            |        |        | HR1674 (Lo-16bits)                         |
| HR1676           | MBIO:MBIO ModA Ch7 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1677           |                            |        |        | HR1676 (Lo-16bits)                         |
| HR1678           | MBIO:MBIO ModA Ch8 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1679           |                            |        |        | HR1678 (Lo-16bits)                         |
| HR1680           | MBIO:MBIO ModB Ch1 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1681           |                            |        |        | HR1680 (Lo-16bits)                         |
| HR1682           | MBIO:MBIO ModB Ch2 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1683           |                            |        |        | HR1682 (Lo-16bits)                         |
| HR1684           | MBIO:MBIO ModB Ch3 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1685           |                            |        |        | HR1684 (Lo-16bits)                         |

| Holding Register | Parameter                  | Access | Length | Info                                       |
|------------------|----------------------------|--------|--------|--------------------------------------------|
| HR1686           | MBIO:MBIO ModB Ch4 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1687           |                            |        |        | HR1686 (Lo-16bits)                         |
| HR1688           | MBIO:MBIO ModB Ch5 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1689           |                            |        |        | HR1688 (Lo-16bits)                         |
| HR1690           | MBIO:MBIO ModB Ch6 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1691           |                            |        |        | HR1690 (Lo-16bits)                         |
| HR1692           | MBIO:MBIO ModB Ch7 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1693           |                            |        |        | HR1692 (Lo-16bits)                         |
| HR1694           | MBIO:MBIO ModB Ch8 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1695           |                            |        |        | HR1694 (Lo-16bits)                         |
| HR1696           | MBIO:MBIO ModC Ch1 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1697           |                            |        |        | HR1696 (Lo-16bits)                         |
| HR1698           | MBIO:MBIO ModC Ch2 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1699           |                            |        |        | HR1698 (Lo-16bits)                         |
| HR1700           | MBIO:MBIO ModC Ch3 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1701           |                            |        |        | HR1700 (Lo-16bits)                         |
| HR1702           | MBIO:MBIO ModC Ch4 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1703           |                            |        |        | HR1702 (Lo-16bits)                         |
| HR1704           | MBIO:MBIO ModC Ch5 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1705           |                            |        |        | HR1704 (Lo-16bits)                         |
| HR1706           | MBIO:MBIO ModC Ch6 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1707           |                            |        |        | HR1706 (Lo-16bits)                         |
| HR1708           | MBIO:MBIO ModC Ch7 Invalid | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR1709           |                            |        |        | HR1708 (Lo-16bits)                         |

| Holding Register | Parameter                                   | Access | Length | Info                                     |
|------------------|---------------------------------------------|--------|--------|------------------------------------------|
| HR1710           | MBIO:MBIO ModC Ch8 Invalid                  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)  |
| HR1711           |                                             |        |        | HR1710 (Lo-16bits)                       |
| HR1712           | OBJ6:Object6 Breaker Status                 | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad     |
| HR1713           | OBJ7:Object7 Breaker Status                 | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad     |
| HR1714           | OBJ8:Object8 Breaker Status                 | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad     |
| HR1715           | OBJ9:Object9 Breaker Status                 | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad     |
| HR1716           | OBJ10:Object10 Breaker Status               | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad     |
| HR1717           | VRG1:Voltage now                            | R      | 2      | FLOAT [0...140] (Hi-16bits)              |
| HR1718           |                                             |        |        | HR1717 (Lo-16bits)                       |
| HR1719           | VRG1:Voltage difference to set target       | R      | 2      | FLOAT [-100...140] (Hi-16bits)           |
| HR1720           |                                             |        |        | HR1719 (Lo-16bits)                       |
| HR1721           | VRG1:Tap location now (- 0 +)               | R      | 2      | FLOAT [-30...30] (Hi-16bits)             |
| HR1722           |                                             |        |        | HR1721 (Lo-16bits)                       |
| HR1723           | VRG1:Absolute tap location                  | R      | 2      | FLOAT [0...50] (Hi-16bits)               |
| HR1724           |                                             |        |        | HR1723 (Lo-16bits)                       |
| HR1725           | VRG1:Control mode                           | R      | 1      | 0=Auto 1=Manual (loc&rem)                |
| HR1726           | VRG1:Remote tap control input               | R(W)   | 1      | 0=Stop 1=Lower 2=Higher                  |
| HR1727           | VJP1:Vector jump <DELTA><alpha> > condition | R      | 1      | 0=Normal 1=Blocked 2=Trip 3=Alarm        |
| HR1728           | LOGIC1:Logic out 1-32                       | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)      |
| HR1729           |                                             |        |        | HR1728 (Lo-16bits)                       |
| HR1730           | PGS1:PS1 >/< Condition                      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked        |
| HR1731           | VJP1:Selected voltage measurement           | R      | 1      | 0=Selection Ok 1=Selection not available |
| HR1732           | PGS1:PS2 >/< Condition                      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked        |
| HR1733           | PGS1:PS3 >/< Condition                      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked        |
| HR1734           | PGS1:PS4 >/< Condition                      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked        |
| HR1735           | PGS1:PS5 >/< Condition                      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked        |
| HR1736           | PGS1:PS6 >/< Condition                      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked        |
| HR1737           | PGS1:PS7 >/< Condition                      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked        |

| Holding Register | Parameter                     | Access | Length | Info                                   |
|------------------|-------------------------------|--------|--------|----------------------------------------|
| HR1738           | PGS1:PS8 >/< Condition        | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked      |
| HR1739           | PGS1:PS9 >/< Condition        | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked      |
| HR1740           | PGS1:PS10 >/< Condition       | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked      |
| HR1741           | ASC1:Curve1 Input             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1742           |                               |        |        | HR1741 (Lo-16bits)                     |
| HR1743           | ASC1:Curve1 Output            | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1744           |                               |        |        | HR1743 (Lo-16bits)                     |
| HR1745           | ASC1:Curve2 Input             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1746           |                               |        |        | HR1745 (Lo-16bits)                     |
| HR1747           | ASC1:Curve2 Output            | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1748           |                               |        |        | HR1747 (Lo-16bits)                     |
| HR1749           | ASC1:Curve3 Input             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1750           |                               |        |        | HR1749 (Lo-16bits)                     |
| HR1751           | ASC1:Curve3 Output            | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1752           |                               |        |        | HR1751 (Lo-16bits)                     |
| HR1753           | ASC1:Curve4 Input             | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1754           |                               |        |        | HR1753 (Lo-16bits)                     |
| HR1755           | ASC1:Curve4 Output            | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR1756           |                               |        |        | HR1755 (Lo-16bits)                     |
| HR1757           | GMAG:Command AVR (remote)     | R(W)   | 1      | 0=Off 1=On                             |
| HR1758           | GMAG:Command FCR (remote)     | R(W)   | 1      | 0=Off 1=On                             |
| HR1759           | GMAG:Command MVAR (remote)    | R(W)   | 1      | 0=Off 1=On                             |
| HR1760           | GMAG:Command PF (remote)      | R(W)   | 1      | 0=Off 1=On                             |
| HR1761           | GMAG:Unload Q (remote)        | R(W)   | 1      | 0=Off 1=On                             |
| HR1762           | GMAG:Reset (remote)           | R(W)   | 1      | 0=Off 1=On                             |
| HR1763           | GMAG:AVR Ref execute (remote) | R(W)   | 1      | 0=Off 1=On                             |
| HR1764           | GMAG:AVR Ref value (remote)   | R(W)   | 2      | FLOAT [0...450000] (Hi-16bits)         |
| HR1765           |                               |        |        | HR1764 (Lo-16bits)                     |
| HR1766           | GMAG:FCR Ref execute (remote) | R(W)   | 1      | 0=Off 1=On                             |
| HR1767           | GMAG:FCR Ref value (remote)   | R(W)   | 2      | FLOAT [0...100] (Hi-16bits)            |

| Holding Register | Parameter                              | Access | Length | Info                             |
|------------------|----------------------------------------|--------|--------|----------------------------------|
| HR1768           |                                        |        |        | HR1767 (Lo-16bits)               |
| HR1769           | GMAG:MVar Ref execute (remote)         | R(W)   | 1      | 0=Off 1=On                       |
| HR1770           | GMAG:MVar Ref value (MVar) (remote)    | R(W)   | 2      | FLOAT [-1000...1000] (Hi-16bits) |
| HR1771           |                                        |        |        | HR1770 (Lo-16bits)               |
| HR1772           | GMAG:PF Ref execute (remote)           | R(W)   | 1      | 0=Off 1=On                       |
| HR1773           | GMAG:PF Ref value (remote)             | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)       |
| HR1774           |                                        |        |        | HR1773 (Lo-16bits)               |
| HR1775           | GMAG:Open FB command (remote)          | R(W)   | 1      | 0=Off 1=On                       |
| HR1776           | GMAG:Close FB command (remote)         | R(W)   | 1      | 0=Off 1=On                       |
| HR1777           | GMAG:AVR speed 90 (remote)             | R(W)   | 1      | 0=Off 1=On                       |
| HR1778           | GMAG:Ind GB closed (remote)            | R(W)   | 1      | 0=Off 1=On                       |
| HR1779           | GMAG:Island mode (remote)              | R(W)   | 1      | 0=Off 1=On                       |
| HR1780           | GMAG:Command voltage matching (remote) | R(W)   | 1      | 0=Off 1=On                       |
| HR1781           | GMAG:Grid voltage (remote)             | R(W)   | 2      | FLOAT [0...500] (Hi-16bits)      |
| HR1782           |                                        |        |        | HR1781 (Lo-16bits)               |
| HR1783           | GMAG:AVR Ref start (remote)            | R(W)   | 1      | 0=Off 1=On                       |
| HR1784           | GMAG:Field current (remote)            | R      | 2      | FLOAT [-500...500] (Hi-16bits)   |
| HR1785           |                                        |        |        | HR1784 (Lo-16bits)               |
| HR1786           | GMAG:AVR Ref actual (remote)           | R      | 2      | FLOAT [-500...500] (Hi-16bits)   |
| HR1787           |                                        |        |        | HR1786 (Lo-16bits)               |
| HR1788           | GMAG:FCR Ref actual (remote)           | R      | 2      | FLOAT [-500...500] (Hi-16bits)   |
| HR1789           |                                        |        |        | HR1788 (Lo-16bits)               |
| HR1790           | GMAG:MVAR Ref actual (remote)          | R      | 2      | FLOAT [-500...500] (Hi-16bits)   |
| HR1791           |                                        |        |        | HR1790 (Lo-16bits)               |
| HR1792           | GMAG:PF Ref actual (remote)            | R      | 2      | FLOAT [-500...500] (Hi-16bits)   |
| HR1793           |                                        |        |        | HR1792 (Lo-16bits)               |
| HR1794           | GMAG:Mode MVAR (remote)                | R      | 1      | 0=Off 1=On                       |
| HR1795           | GMAG:Mode PF (remote)                  | R      | 1      | 0=Off 1=On                       |



| Holding Register | Parameter                                          | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                         |
|------------------|----------------------------------------------------|--------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR1796           | DIGI:DIs                                           | R      | 2      | 0b=DI65 1b=DI66 2b=DI67 3b=DI68<br>4b=DI69 5b=DI70 6b=DI71 7b=DI72<br>8b=DI73 9b=DI74 10b=DI75 11b=DI76<br>12b=DI77 13b=DI78 14b=DI79 15b=DI80<br>16b=DI81 17b=DI82 18b=DI83 19b=DI84<br>20b=DI85 21b=DI86 22b=DI87 23b=DI88<br>24b=DI89 25b=DI90 26b=DI91 27b=DI92<br>28b=DI93 29b=DI94 30b=DI95 31b=DI96<br>(Hi-16bits)                                    |
| HR1797           |                                                    |        |        | HR1796 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                           |
| HR1798           | DIGI:DIs                                           | R      | 2      | 0b=DI97 1b=DI98 2b=DI99 3b=DI100<br>4b=DI101 5b=DI102 6b=DI103 7b=DI104<br>8b=DI105 9b=DI106 10b=DI107<br>11b=DI108 12b=DI109 13b=DI110<br>14b=DI111 15b=DI112 16b=DI113<br>17b=DI114 18b=DI115 19b=DI116<br>20b=DI117 21b=DI118 22b=DI119<br>23b=DI120 24b=DI121 25b=DI122<br>26b=DI123 27b=DI124 28b=DI125<br>29b=DI126 30b=DI127 31b=DI128<br>(Hi-16bits) |
| HR1799           |                                                    |        |        | HR1798 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                           |
| HR1800           | RELE:Outputs status                                | R      | 2      | 0b=O33 1b=O34 2b=O35 (Hi-16bits)                                                                                                                                                                                                                                                                                                                             |
| HR1801           |                                                    |        |        | HR1800 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                           |
| HR1802           | GMAG:Command Excitation to Remote control          | R(W)   | 1      | 0=Off 1=On                                                                                                                                                                                                                                                                                                                                                   |
| HR1803           | FREQS:f atm. Display (when not measurable is 0Hz)  | R      | 2      | FLOAT [0...75] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                   |
| HR1804           |                                                    |        |        | HR1803 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                           |
| HR1805           | GMAG:Command Excitation to Remote control Received | R      | 1      | 0=No 1=Yes                                                                                                                                                                                                                                                                                                                                                   |
| HR1806           | GMAG:Command AVR (remote) Received                 | R      | 1      | 0=No 1=Yes                                                                                                                                                                                                                                                                                                                                                   |
| HR1807           | GMAG:Command FCR (remote) Received                 | R      | 1      | 0=No 1=Yes                                                                                                                                                                                                                                                                                                                                                   |
| HR1808           | GMAG:Command MVAR (remote) Received                | R      | 1      | 0=No 1=Yes                                                                                                                                                                                                                                                                                                                                                   |
| HR1809           | GMAG:Command PF (remote) Received                  | R      | 1      | 0=No 1=Yes                                                                                                                                                                                                                                                                                                                                                   |
| HR1810           | GMAG:Reset remote Received indications             | R(W)   | 1      | 0=- 1=Reset                                                                                                                                                                                                                                                                                                                                                  |
| HR1811           | GMAG:GMAG FCR Mode                                 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)                                                                                                                                                                                                                                                                                                                   |
| HR1812           |                                                    |        |        | HR1811 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                           |

| Holding Register | Parameter                                       | Access | Length | Info                                    |
|------------------|-------------------------------------------------|--------|--------|-----------------------------------------|
| HR1813           | GMAG:GMAG AVR Mode                              | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1814           |                                                 |        |        | HR1813 (Lo-16bits)                      |
| HR1815           | GMAG:Unload Q (remote) Received                 | R      | 1      | 0=No 1=Yes                              |
| HR1816           | GMAG:Reset (remote) Received                    | R      | 1      | 0=No 1=Yes                              |
| HR1817           | GMAG:AVR Ref execute (remote) Received          | R      | 1      | 0=No 1=Yes                              |
| HR1818           | GMAG:AVR Ref value (remote) Received            | R      | 2      | FLOAT [0...450000] (Hi-16bits)          |
| HR1819           |                                                 |        |        | HR1818 (Lo-16bits)                      |
| HR1820           | GMAG:FCR Ref execute (remote) Received          | R      | 1      | 0=No 1=Yes                              |
| HR1821           | GMAG:FCR Ref value (remote) Received            | R      | 2      | FLOAT [0...100] (Hi-16bits)             |
| HR1822           |                                                 |        |        | HR1821 (Lo-16bits)                      |
| HR1823           | GMAG:MVar Ref execute (remote) Received         | R      | 1      | 0=No 1=Yes                              |
| HR1824           | GMAG:MVar Ref value (remote) Received           | R      | 2      | FLOAT [-1000...1000] (Hi-16bits)        |
| HR1825           |                                                 |        |        | HR1824 (Lo-16bits)                      |
| HR1826           | GMAG:PF Ref execute (remote) Received           | R      | 1      | 0=No 1=Yes                              |
| HR1827           | GMAG:PF Ref value (remote) Received             | R      | 2      | FLOAT [-1...1] (Hi-16bits)              |
| HR1828           |                                                 |        |        | HR1827 (Lo-16bits)                      |
| HR1829           | GMAG:Open FB command (remote) Received          | R      | 1      | 0=No 1=Yes                              |
| HR1830           | GMAG:Close FB command (remote) Received         | R      | 1      | 0=No 1=Yes                              |
| HR1831           | GMAG:AVR speed 90 (remote) Received             | R      | 1      | 0=No 1=Yes                              |
| HR1832           | GMAG:Ind GB closed (remote) Received            | R      | 1      | 0=No 1=Yes                              |
| HR1833           | GMAG:Island mode (remote) Received              | R      | 1      | 0=No 1=Yes                              |
| HR1834           | GMAG:Command voltage matching (remote) Received | R      | 1      | 0=No 1=Yes                              |

| Holding Register | Parameter                              | Access | Length | Info                                    |
|------------------|----------------------------------------|--------|--------|-----------------------------------------|
| HR1835           | GMAG:Grid voltage (remote) Received    | R      | 2      | FLOAT [0...500] (Hi-16bits)             |
| HR1836           |                                        |        |        | HR1835 (Lo-16bits)                      |
| HR1837           | GMAG:AVR Ref start (remote) Received   | R      | 1      | 0=No 1=Yes                              |
| HR1838           | IAE1:I>U< I.A.E. condition             | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked       |
| HR1839           | GSYN:Synchronizer mode                 | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR1840           | GSYN:Magnitude difference              | R      | 2      | FLOAT [-200...200] (Hi-16bits)          |
| HR1841           |                                        |        |        | HR1840 (Lo-16bits)                      |
| HR1842           | GSYN:Frequency difference              | R      | 2      | FLOAT [-100...100] (Hi-16bits)          |
| HR1843           |                                        |        |        | HR1842 (Lo-16bits)                      |
| HR1844           | GSYN:Angle difference                  | R      | 2      | FLOAT [-360...360] (Hi-16bits)          |
| HR1845           |                                        |        |        | HR1844 (Lo-16bits)                      |
| HR1846           | GSYN:Start Synchronizer                | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR1847           |                                        |        |        | HR1846 (Lo-16bits)                      |
| HR1848           | GSYN:Stop Synchronizer                 | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR1849           |                                        |        |        | HR1848 (Lo-16bits)                      |
| HR1850           | GSYN:Block and Interrupt Synchronizing | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR1851           |                                        |        |        | HR1850 (Lo-16bits)                      |
| HR1852           | GSYN:Breaker Closed                    | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)  |
| HR1853           |                                        |        |        | HR1852 (Lo-16bits)                      |
| HR1854           | GSYN:GSYN Running                      | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1855           |                                        |        |        | HR1854 (Lo-16bits)                      |
| HR1856           | GSYN:GSYN Increase Voltage             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1857           |                                        |        |        | HR1856 (Lo-16bits)                      |
| HR1858           | GSYN:GSYN Decrease Voltage             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1859           |                                        |        |        | HR1858 (Lo-16bits)                      |
| HR1860           | GSYN:GSYN Increase Frequency           | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1861           |                                        |        |        | HR1860 (Lo-16bits)                      |

| Holding Register | Parameter                                | Access | Length | Info                                    |
|------------------|------------------------------------------|--------|--------|-----------------------------------------|
| HR1862           | GSYN:GSYN Decrease Frequency             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1863           |                                          |        |        | HR1862 (Lo-16bits)                      |
| HR1864           | GSYN:GSYN Breaker Close Pulse            | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1865           |                                          |        |        | HR1864 (Lo-16bits)                      |
| HR1866           | GSYN:GSYN Long Sync Time                 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1867           |                                          |        |        | HR1866 (Lo-16bits)                      |
| HR1868           | GSYN:Magnitude difference fine tune      | R(W)   | 2      | FLOAT [-200...200] (Hi-16bits)          |
| HR1869           |                                          |        |        | HR1868 (Lo-16bits)                      |
| HR1870           | GSYN:Frequency difference fine tune      | R(W)   | 2      | FLOAT [-100...100] (Hi-16bits)          |
| HR1871           |                                          |        |        | HR1870 (Lo-16bits)                      |
| HR1872           | GSYN:Angle difference fine tune          | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)          |
| HR1873           |                                          |        |        | HR1872 (Lo-16bits)                      |
| HR1874           | GSYN:GSYN Blocked                        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1875           |                                          |        |        | HR1874 (Lo-16bits)                      |
| HR1876           | GSYN:GSYN Voltage Mag.Difference Ok      | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1877           |                                          |        |        | HR1876 (Lo-16bits)                      |
| HR1878           | GSYN:GSYN Voltage Freq.Difference Ok     | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1879           |                                          |        |        | HR1878 (Lo-16bits)                      |
| HR1880           | GSYN:GSYN Voltage Ang.Difference Ok      | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1881           |                                          |        |        | HR1880 (Lo-16bits)                      |
| HR1882           | GSYN:Magnitude difference on closing BRK | R      | 2      | FLOAT [-200...200] (Hi-16bits)          |
| HR1883           |                                          |        |        | HR1882 (Lo-16bits)                      |
| HR1884           | GSYN:Frequency difference on closing BRK | R      | 2      | FLOAT [-100...100] (Hi-16bits)          |
| HR1885           |                                          |        |        | HR1884 (Lo-16bits)                      |

| Holding Register | Parameter                                                         | Access | Length | Info                                     |
|------------------|-------------------------------------------------------------------|--------|--------|------------------------------------------|
| HR1886           | GSYN:Angle difference on closing BRK                              | R      | 2      | FLOAT [-360...360] (Hi-16bits)           |
| HR1887           |                                                                   |        |        | HR1886 (Lo-16bits)                       |
| HR1888           | GSYN:Synchronizing time left                                      | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1889           |                                                                   |        |        | HR1888 (Lo-16bits)                       |
| HR1890           | VREC:Fault register mode                                          | R(W)   | 1      | 0=Disabled 1=Activated                   |
| HR1891           | VREC:Scale current values to primary                              | R(W)   | 1      | 0=No 1=Yes                               |
| HR1892           | VREC:Fault register trigger                                       | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)   |
| HR1893           |                                                                   |        |        | HR1892 (Lo-16bits)                       |
| HR1894           | VREC:Record fault types (Overcurrent & Voltage Over/Under) faults | R(W)   | 1      | 0=No 1=Yes                               |
| HR1895           | VREC:VREC Magnitude 1                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1896           |                                                                   |        |        | HR1895 (Lo-16bits)                       |
| HR1897           | VREC:VREC Magnitude 2                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1898           |                                                                   |        |        | HR1897 (Lo-16bits)                       |
| HR1899           | VREC:VREC Magnitude 3                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1900           |                                                                   |        |        | HR1899 (Lo-16bits)                       |
| HR1901           | VREC:VREC Magnitude 4                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1902           |                                                                   |        |        | HR1901 (Lo-16bits)                       |
| HR1903           | VREC:VREC Magnitude 5                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1904           |                                                                   |        |        | HR1903 (Lo-16bits)                       |
| HR1905           | VREC:VREC Magnitude 6                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1906           |                                                                   |        |        | HR1905 (Lo-16bits)                       |
| HR1907           | VREC:VREC Magnitude 7                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1908           |                                                                   |        |        | HR1907 (Lo-16bits)                       |
| HR1909           | VREC:VREC Magnitude 8                                             | R      | 2      | FLOAT [0...1800] (Hi-16bits)             |
| HR1910           |                                                                   |        |        | HR1909 (Lo-16bits)                       |
| HR1911           | RTB:Real time bus measurements                                    | R(W)   | 1      | 0=Disabled 1=Activated                   |
| HR1912           | RTB:Scale current values to primary                               | R(W)   | 1      | 0=No 1=Yes                               |
| HR1913           | RTB:Magnitude 1                                                   | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |

| Holding Register | Parameter                                                 | Access | Length | Info                                        |
|------------------|-----------------------------------------------------------|--------|--------|---------------------------------------------|
| HR1914           |                                                           |        |        | HR1913 (Lo-16bits)                          |
| HR1915           | RTB:Magnitude 2                                           | R      | 2      | FLOAT [-10000000...10000000]<br>(Hi-16bits) |
| HR1916           |                                                           |        |        | HR1915 (Lo-16bits)                          |
| HR1917           | RTB:Magnitude 3                                           | R      | 2      | FLOAT [-10000000...10000000]<br>(Hi-16bits) |
| HR1918           |                                                           |        |        | HR1917 (Lo-16bits)                          |
| HR1919           | RTB:Magnitude 4                                           | R      | 2      | FLOAT [-10000000...10000000]<br>(Hi-16bits) |
| HR1920           |                                                           |        |        | HR1919 (Lo-16bits)                          |
| HR1921           | RTB:Magnitude 5                                           | R      | 2      | FLOAT [-10000000...10000000]<br>(Hi-16bits) |
| HR1922           |                                                           |        |        | HR1921 (Lo-16bits)                          |
| HR1923           | RTB:Magnitude 6                                           | R      | 2      | FLOAT [-10000000...10000000]<br>(Hi-16bits) |
| HR1924           |                                                           |        |        | HR1923 (Lo-16bits)                          |
| HR1925           | RTB:Magnitude 7                                           | R      | 2      | FLOAT [-10000000...10000000]<br>(Hi-16bits) |
| HR1926           |                                                           |        |        | HR1925 (Lo-16bits)                          |
| HR1927           | RTB:Magnitude 8                                           | R      | 2      | FLOAT [-10000000...10000000]<br>(Hi-16bits) |
| HR1928           |                                                           |        |        | HR1927 (Lo-16bits)                          |
| HR1929           | AOUT:mA In (I option 1)                                   | R      | 2      | FLOAT [0...24] (Hi-16bits)                  |
| HR1930           |                                                           |        |        | HR1929 (Lo-16bits)                          |
| HR1931           | AOUT:mA In (I option 2)                                   | R      | 2      | FLOAT [0...24] (Hi-16bits)                  |
| HR1932           |                                                           |        |        | HR1931 (Lo-16bits)                          |
| HR1933           | AOUT:mA Out Channel 1 Input<br>Magnitude now (I option 1) | R      | 2      | FLOAT [-10000000...10000000]<br>(Hi-16bits) |
| HR1934           |                                                           |        |        | HR1933 (Lo-16bits)                          |
| HR1935           | AOUT:mA Out Channel 1 Outputs<br>now (I option 1)         | R      | 2      | FLOAT [0...24] (Hi-16bits)                  |
| HR1936           |                                                           |        |        | HR1935 (Lo-16bits)                          |
| HR1937           | AOUT:mA Out Channel 2 Input<br>Magnitude now (I option 1) | R      | 2      | FLOAT [-10000000...10000000]<br>(Hi-16bits) |
| HR1938           |                                                           |        |        | HR1937 (Lo-16bits)                          |

| Holding Register | Parameter                                              | Access | Length | Info                                     |
|------------------|--------------------------------------------------------|--------|--------|------------------------------------------|
| HR1939           | AOUT:mA Out Channel 2 Outputs now (I option 1)         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1940           |                                                        |        |        | HR1939 (Lo-16bits)                       |
| HR1941           | AOUT:mA Out Channel 3 Input Magnitude now (I option 1) | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1942           |                                                        |        |        | HR1941 (Lo-16bits)                       |
| HR1943           | AOUT:mA Out Channel 3 Outputs now (I option 1)         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1944           |                                                        |        |        | HR1943 (Lo-16bits)                       |
| HR1945           | AOUT:mA Out Channel 4 Input Magnitude now (I option 1) | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1946           |                                                        |        |        | HR1945 (Lo-16bits)                       |
| HR1947           | AOUT:mA Out Channel 4 Outputs now (I option 1)         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1948           |                                                        |        |        | HR1947 (Lo-16bits)                       |
| HR1949           | AOUT:mA Out Channel 5 Input Magnitude now (I option 2) | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1950           |                                                        |        |        | HR1949 (Lo-16bits)                       |
| HR1951           | AOUT:mA Out Channel 5 Outputs now (I option 2)         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1952           |                                                        |        |        | HR1951 (Lo-16bits)                       |
| HR1953           | AOUT:mA Out Channel 6 Input Magnitude now (I option 2) | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1954           |                                                        |        |        | HR1953 (Lo-16bits)                       |
| HR1955           | AOUT:mA Out Channel 6 Outputs now (I option 2)         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1956           |                                                        |        |        | HR1955 (Lo-16bits)                       |
| HR1957           | AOUT:mA Out Channel 7 Input Magnitude now (I option 2) | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1958           |                                                        |        |        | HR1957 (Lo-16bits)                       |
| HR1959           | AOUT:mA Out Channel 7 Outputs now (I option 2)         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR1960           |                                                        |        |        | HR1959 (Lo-16bits)                       |
| HR1961           | AOUT:mA Out Channel 8 Input Magnitude now (I option 2) | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR1962           |                                                        |        |        | HR1961 (Lo-16bits)                       |

| Holding Register | Parameter                                      | Access | Length | Info                                    |
|------------------|------------------------------------------------|--------|--------|-----------------------------------------|
| HR1963           | AOUT:mA Out Channel 8 Outputs now (I option 2) | R      | 2      | FLOAT [0...24] (Hi-16bits)              |
| HR1964           |                                                |        |        | HR1963 (Lo-16bits)                      |
| HR1965           | RTD1:S13 Measurement (Protection)              | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1966           |                                                |        |        | HR1965 (Lo-16bits)                      |
| HR1967           | RTD1:S14 Measurement (Protection)              | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1968           |                                                |        |        | HR1967 (Lo-16bits)                      |
| HR1969           | RTD1:S15 Measurement (Protection)              | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1970           |                                                |        |        | HR1969 (Lo-16bits)                      |
| HR1971           | RTD1:S16 Measurement (Protection)              | R      | 2      | FLOAT [-200...2000] (Hi-16bits)         |
| HR1972           |                                                |        |        | HR1971 (Lo-16bits)                      |
| HR1973           | RTD1:S13 Alarm1 On                             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1974           |                                                |        |        | HR1973 (Lo-16bits)                      |
| HR1975           | RTD1:S13 Alarm2 On                             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1976           |                                                |        |        | HR1975 (Lo-16bits)                      |
| HR1977           | RTD1:S13 Meas Invalid                          | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1978           |                                                |        |        | HR1977 (Lo-16bits)                      |
| HR1979           | RTD1:S14 Alarm1 On                             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1980           |                                                |        |        | HR1979 (Lo-16bits)                      |
| HR1981           | RTD1:S14 Alarm2 On                             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1982           |                                                |        |        | HR1981 (Lo-16bits)                      |
| HR1983           | RTD1:S14 Meas Invalid                          | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1984           |                                                |        |        | HR1983 (Lo-16bits)                      |
| HR1985           | RTD1:S15 Alarm1 On                             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1986           |                                                |        |        | HR1985 (Lo-16bits)                      |



| Holding Register | Parameter             | Access | Length | Info                                    |
|------------------|-----------------------|--------|--------|-----------------------------------------|
| HR1987           | RTD1:S15 Alarm2 On    | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1988           |                       |        |        | HR1987 (Lo-16bits)                      |
| HR1989           | RTD1:S15 Meas Invalid | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1990           |                       |        |        | HR1989 (Lo-16bits)                      |
| HR1991           | RTD1:S16 Alarm1 On    | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1992           |                       |        |        | HR1991 (Lo-16bits)                      |
| HR1993           | RTD1:S16 Alarm2 On    | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1994           |                       |        |        | HR1993 (Lo-16bits)                      |
| HR1995           | RTD1:S16 Meas Invalid | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR1996           |                       |        |        | HR1995 (Lo-16bits)                      |
| HR1997           | RTDIN:S1 Resistance   | R      | 2      | FLOAT [0...4000] (Hi-16bits)            |
| HR1998           |                       |        |        | HR1997 (Lo-16bits)                      |
| HR1999           | RTDIN:S2 Resistance   | R      | 2      | FLOAT [0...4000] (Hi-16bits)            |
| HR2000           |                       |        |        | HR1999 (Lo-16bits)                      |
| HR2001           | RTDIN:S3 Resistance   | R      | 2      | FLOAT [0...4000] (Hi-16bits)            |
| HR2002           |                       |        |        | HR2001 (Lo-16bits)                      |
| HR2003           | RTDIN:S4 Resistance   | R      | 2      | FLOAT [0...4000] (Hi-16bits)            |
| HR2004           |                       |        |        | HR2003 (Lo-16bits)                      |
| HR2005           | RTDIN:S5 Resistance   | R      | 2      | FLOAT [0...4000] (Hi-16bits)            |
| HR2006           |                       |        |        | HR2005 (Lo-16bits)                      |
| HR2007           | RTDIN:S6 Resistance   | R      | 2      | FLOAT [0...4000] (Hi-16bits)            |
| HR2008           |                       |        |        | HR2007 (Lo-16bits)                      |
| HR2009           | RTDIN:S7 Resistance   | R      | 2      | FLOAT [0...4000] (Hi-16bits)            |
| HR2010           |                       |        |        | HR2009 (Lo-16bits)                      |
| HR2011           | RTDIN:S8 Resistance   | R      | 2      | FLOAT [0...4000] (Hi-16bits)            |
| HR2012           |                       |        |        | HR2011 (Lo-16bits)                      |
| HR2013           | RTDIN:S9 Resistance   | R      | 2      | FLOAT [0...4000] (Hi-16bits)            |
| HR2014           |                       |        |        | HR2013 (Lo-16bits)                      |

| Holding Register | Parameter                                                 | Access | Length | Info                                                                   |
|------------------|-----------------------------------------------------------|--------|--------|------------------------------------------------------------------------|
| HR2015           | RTDIN:S10 Resistance                                      | R      | 2      | FLOAT [0...4000] (Hi-16bits)                                           |
| HR2016           |                                                           |        |        | HR2015 (Lo-16bits)                                                     |
| HR2017           | RTDIN:S11 Resistance                                      | R      | 2      | FLOAT [0...4000] (Hi-16bits)                                           |
| HR2018           |                                                           |        |        | HR2017 (Lo-16bits)                                                     |
| HR2019           | RTDIN:S12 Resistance                                      | R      | 2      | FLOAT [0...4000] (Hi-16bits)                                           |
| HR2020           |                                                           |        |        | HR2019 (Lo-16bits)                                                     |
| HR2021           | RTDIN:S13 Resistance                                      | R      | 2      | FLOAT [0...4000] (Hi-16bits)                                           |
| HR2022           |                                                           |        |        | HR2021 (Lo-16bits)                                                     |
| HR2023           | RTDIN:S14 Resistance                                      | R      | 2      | FLOAT [0...4000] (Hi-16bits)                                           |
| HR2024           |                                                           |        |        | HR2023 (Lo-16bits)                                                     |
| HR2025           | RTDIN:S15 Resistance                                      | R      | 2      | FLOAT [0...4000] (Hi-16bits)                                           |
| HR2026           |                                                           |        |        | HR2025 (Lo-16bits)                                                     |
| HR2027           | RTDIN:S16 Resistance                                      | R      | 2      | FLOAT [0...4000] (Hi-16bits)                                           |
| HR2028           |                                                           |        |        | HR2027 (Lo-16bits)                                                     |
| HR2029           | GSYN:Estimated BRK Closing time                           | R      | 2      | FLOAT [0...360] (Hi-16bits)                                            |
| HR2030           |                                                           |        |        | HR2029 (Lo-16bits)                                                     |
| HR2031           | GSYN:Networks rotating time                               | R      | 2      | FLOAT [0...360] (Hi-16bits)                                            |
| HR2032           |                                                           |        |        | HR2031 (Lo-16bits)                                                     |
| HR2033           | GSYN:Networks placement atm                               | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                         |
| HR2034           |                                                           |        |        | HR2033 (Lo-16bits)                                                     |
| HR2035           | GMAG:Read MVar Ref from                                   | R(W)   | 1      | 0=Value from comm Bus 1=Value from AI                                  |
| HR2036           | GMAG:MVar Ref selection                                   | R(W)   | 1      | 0=Scaled input 1 1=Scaled input 2<br>2=Scaled input 3 3=Scaled input 4 |
| HR2037           | GMAG:MVar Ref change threshold (AI)                       | R(W)   | 2      | FLOAT [0...50] (Hi-16bits)                                             |
| HR2038           |                                                           |        |        | HR2037 (Lo-16bits)                                                     |
| HR2039           | GMAG:Update MVar Ref automatically when threshold exceeds | R(W)   | 1      | 0=No 1=Yes                                                             |
| HR2040           | PWR1:PQS>/< condition                                     | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                      |
| HR2041           | PWR2:PQS>>/<< condition                                   | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                      |
| HR2042           | PWR3:PQS>>>/<<< condition                                 | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                      |

| Holding Register | Parameter                             | Access | Length | Info                                            |
|------------------|---------------------------------------|--------|--------|-------------------------------------------------|
| HR2043           | PWR4:PQS>>>>/<<<< condition           | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked               |
| HR2044           | CIN6:Ind.6 Object Status              | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2045           | CIN7:Ind.7 Object Status              | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2046           | CIN8:Ind.8 Object Status              | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2047           | CIN9:Ind.9 Object Status              | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2048           | CIN10:Ind.10 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2049           | CIN11:Ind.11 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2050           | CIN12:Ind.12 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2051           | CIN13:Ind.13 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2052           | CIN14:Ind.14 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2053           | CIN15:Ind.15 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2054           | CIN16:Ind.16 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2055           | CIN17:Ind.17 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2056           | CIN18:Ind.18 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2057           | CIN19:Ind.19 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2058           | CIN20:Ind.20 Object Status            | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad            |
| HR2059           | RHC1:Counter is now                   | R      | 1      | 0=Idle 1=Counting                               |
| HR2060           | RHC1:Running hours                    | R(W)   | 2      | UINT32 [0...4294967295] (Hi-16bits)             |
| HR2061           |                                       |        |        | HR2060 (Lo-16bits)                              |
| HR2062           | GST1:Generating time (Running hours)  | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)             |
| HR2063           |                                       |        |        | HR2062 (Lo-16bits)                              |
| HR2064           | NOC1:l> Latest fault ended with       | R      | 1      | 0=No Faults 1=Start 2=Trip                      |
| HR2065           | NOC1:l> Latest fault type             | R      | 1      | 0=- 1=A-G 2=B-G 3=A-B 4=C-G 5=A-C 6=B-C 7=A-B-C |
| HR2066           | NOC1:l> Latest fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2067           |                                       |        |        | HR2066 (Lo-16bits)                              |
| HR2068           | NOC1:l> Latest fault IB current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2069           |                                       |        |        | HR2068 (Lo-16bits)                              |
| HR2070           | NOC1:l> Latest fault IC current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2071           |                                       |        |        | HR2070 (Lo-16bits)                              |

| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR2072           | NOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)                                                  |
| HR2073           |                                              |        |        | HR2072 (Lo-16bits)                                                            |
| HR2074           | NOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                                                                   |
| HR2075           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR2076           |                                              |        |        | HR2075 (Lo-16bits)                                                            |
| HR2077           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2078           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2079           | NOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2080           | NOC1:Non-standard delay characteristics      | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2081           | NOC1:Time dial setting k                     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR2082           |                                              |        |        | HR2081 (Lo-16bits)                                                            |
| HR2083           | NOC1:IDMT constant A                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                   |
| HR2084           |                                              |        |        | HR2083 (Lo-16bits)                                                            |
| HR2085           | NOC1:IDMT constant B                         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)                                                     |
| HR2086           |                                              |        |        | HR2085 (Lo-16bits)                                                            |
| HR2087           | NOC1:IDMT constant C                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                   |
| HR2088           |                                              |        |        | HR2087 (Lo-16bits)                                                            |
| HR2089           | NOC1:Select setting group                    | R(W)   | 1      | 0=SG1 1=SG2 2=SG3 3=SG4 4=SG5 5=SG6 6=SG7 7=SG8 8=Edit Active SG              |
| HR2090           | NOC1:Write settings to selected SG           | R(W)   | 1      | 0=- 1=Write (autoreset)                                                       |
| HR2091           | NOC2:I>> Latest fault ended with             | R      | 1      | 0=No Faults 1=Start 2=Trip                                                    |
| HR2092           | NOC2:I>> Latest fault type                   | R      | 1      | 0=- 1=A-G 2=B-G 3=A-B 4=C-G 5=A-C 6=B-C 7=A-B-C                               |
| HR2093           | NOC2:I>> Latest fault IA current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2094           |                                              |        |        | HR2093 (Lo-16bits)                                                            |
| HR2095           | NOC2:I>> Latest fault IB current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2096           |                                              |        |        | HR2095 (Lo-16bits)                                                            |
| HR2097           | NOC2:I>> Latest fault IC current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |

| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR2098           |                                              |        |        | HR2097 (Lo-16bits)                                                            |
| HR2099           | NOC2:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)                                                  |
| HR2100           |                                              |        |        | HR2099 (Lo-16bits)                                                            |
| HR2101           | NOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                                                                   |
| HR2102           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR2103           |                                              |        |        | HR2102 (Lo-16bits)                                                            |
| HR2104           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2105           | NOC2:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2106           | NOC2:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2107           | NOC2:Non-standard delay characteristics      | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2108           | NOC2:Time dial setting k                     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR2109           |                                              |        |        | HR2108 (Lo-16bits)                                                            |
| HR2110           | NOC2:IDMT constant A                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                   |
| HR2111           |                                              |        |        | HR2110 (Lo-16bits)                                                            |
| HR2112           | NOC2:IDMT constant B                         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)                                                     |
| HR2113           |                                              |        |        | HR2112 (Lo-16bits)                                                            |
| HR2114           | NOC2:IDMT constant C                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                   |
| HR2115           |                                              |        |        | HR2114 (Lo-16bits)                                                            |
| HR2116           | NOC2:Select setting group                    | R(W)   | 1      | 0=SG1 1=SG2 2=SG3 3=SG4 4=SG5 5=SG6 6=SG7 7=SG8 8=Edit Active SG              |
| HR2117           | NOC2:Write settings to selected SG           | R(W)   | 1      | 0=- 1=Write (autoreset)                                                       |
| HR2118           | NOC3: >>> Latest fault ended with            | R      | 1      | 0=No Faults 1=Start 2=Trip                                                    |
| HR2119           | NOC3: >>> Latest fault type                  | R      | 1      | 0=- 1=A-G 2=B-G 3=A-B 4=C-G 5=A-C 6=B-C 7=A-B-C                               |
| HR2120           | NOC3: >>> Latest fault IA current (pri)      | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2121           |                                              |        |        | HR2120 (Lo-16bits)                                                            |
| HR2122           | NOC3: >>> Latest fault IB current (pri)      | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2123           |                                              |        |        | HR2122 (Lo-16bits)                                                            |

| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR2124           | NOC3:I>>>> Latest fault IC current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2125           |                                              |        |        | HR2124 (Lo-16bits)                                                            |
| HR2126           | NOC3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)                                                  |
| HR2127           |                                              |        |        | HR2126 (Lo-16bits)                                                            |
| HR2128           | NOC3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                                                                   |
| HR2129           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR2130           |                                              |        |        | HR2129 (Lo-16bits)                                                            |
| HR2131           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2132           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2133           | NOC3:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2134           | NOC3:Non-standard delay characteristics      | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2135           | NOC3:Time dial setting k                     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR2136           |                                              |        |        | HR2135 (Lo-16bits)                                                            |
| HR2137           | NOC3:IDMT constant A                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                   |
| HR2138           |                                              |        |        | HR2137 (Lo-16bits)                                                            |
| HR2139           | NOC3:IDMT constant B                         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)                                                     |
| HR2140           |                                              |        |        | HR2139 (Lo-16bits)                                                            |
| HR2141           | NOC3:IDMT constant C                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                   |
| HR2142           |                                              |        |        | HR2141 (Lo-16bits)                                                            |
| HR2143           | NOC3:Select setting group                    | R(W)   | 1      | 0=SG1 1=SG2 2=SG3 3=SG4 4=SG5 5=SG6 6=SG7 7=SG8 8=Edit Active SG              |
| HR2144           | NOC3:Write settings to selected SG           | R(W)   | 1      | 0=- 1=Write (autoreset)                                                       |
| HR2145           | NOC4:I>>>> Latest fault ended with           | R      | 1      | 0=No Faults 1=Start 2=Trip                                                    |
| HR2146           | NOC4:I>>>> Latest fault type                 | R      | 1      | 0=- 1=A-G 2=B-G 3=A-B 4=C-G 5=A-C 6=B-C 7=A-B-C                               |
| HR2147           | NOC4:I>>>> Latest fault IA current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2148           |                                              |        |        | HR2147 (Lo-16bits)                                                            |

| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR2149           | NOC4:Idir>>>> Latest fault IB current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2150           |                                              |        |        | HR2149 (Lo-16bits)                                                            |
| HR2151           | NOC4:Idir>>>> Latest fault IC current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2152           |                                              |        |        | HR2151 (Lo-16bits)                                                            |
| HR2153           | NOC4:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)                                                  |
| HR2154           |                                              |        |        | HR2153 (Lo-16bits)                                                            |
| HR2155           | NOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                                                                   |
| HR2156           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR2157           |                                              |        |        | HR2156 (Lo-16bits)                                                            |
| HR2158           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2159           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2160           | NOC4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2161           | NOC4:Non-standard delay characteristics      | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2162           | NOC4:Time dial setting k                     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR2163           |                                              |        |        | HR2162 (Lo-16bits)                                                            |
| HR2164           | NOC4:IDMT constant A                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                   |
| HR2165           |                                              |        |        | HR2164 (Lo-16bits)                                                            |
| HR2166           | NOC4:IDMT constant B                         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)                                                     |
| HR2167           |                                              |        |        | HR2166 (Lo-16bits)                                                            |
| HR2168           | NOC4:IDMT constant C                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                   |
| HR2169           |                                              |        |        | HR2168 (Lo-16bits)                                                            |
| HR2170           | NOC4:Select setting group                    | R(W)   | 1      | 0=SG1 1=SG2 2=SG3 3=SG4 4=SG5 5=SG6 6=SG7 7=SG8 8=Edit Active SG              |
| HR2171           | NOC4:Write settings to selected SG           | R(W)   | 1      | 0=- 1=Write (autoreset)                                                       |
| HR2172           | DOC1:Idir> Latest fault ended with           | R      | 1      | 0=No Faults 1=Start 2=Trip                                                    |
| HR2173           | DOC1:Idir> Latest fault type                 | R      | 1      | 0=- 1=A-G 2=B-G 3=A-B 4=C-G 5=A-C 6=B-C 7=A-B-C                               |
| HR2174           | DOC1:Idir> Latest fault angle                | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                |

| Holding Register | Parameter                                  | Access | Length | Info                                            |
|------------------|--------------------------------------------|--------|--------|-------------------------------------------------|
| HR2175           |                                            |        |        | HR2174 (Lo-16bits)                              |
| HR2176           | DOC1:ldir> Latest fault IA current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2177           |                                            |        |        | HR2176 (Lo-16bits)                              |
| HR2178           | DOC1:ldir> Latest fault IB current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2179           |                                            |        |        | HR2178 (Lo-16bits)                              |
| HR2180           | DOC1:ldir> Latest fault IC current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2181           |                                            |        |        | HR2180 (Lo-16bits)                              |
| HR2182           | DOC2:ldir>> Latest fault ended with        | R      | 1      | 0=No Faults 1=Start 2=Trip                      |
| HR2183           | DOC2:ldir>> Latest fault type              | R      | 1      | 0=- 1=A-G 2=B-G 3=A-B 4=C-G 5=A-C 6=B-C 7=A-B-C |
| HR2184           | DOC2:ldir>> Latest fault angle             | R      | 2      | FLOAT [-360...360] (Hi-16bits)                  |
| HR2185           |                                            |        |        | HR2184 (Lo-16bits)                              |
| HR2186           | DOC2:ldir>> Latest fault IA current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2187           |                                            |        |        | HR2186 (Lo-16bits)                              |
| HR2188           | DOC2:ldir>> Latest fault IB current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2189           |                                            |        |        | HR2188 (Lo-16bits)                              |
| HR2190           | DOC2:ldir>> Latest fault IC current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2191           |                                            |        |        | HR2190 (Lo-16bits)                              |
| HR2192           | DOC3:ldir>>> Latest fault ended with       | R      | 1      | 0=No Faults 1=Start 2=Trip                      |
| HR2193           | DOC3:ldir>>> Latest fault type             | R      | 1      | 0=- 1=A-G 2=B-G 3=A-B 4=C-G 5=A-C 6=B-C 7=A-B-C |
| HR2194           | DOC3:ldir>>> Latest fault angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits)                  |
| HR2195           |                                            |        |        | HR2194 (Lo-16bits)                              |
| HR2196           | DOC3:ldir>>> Latest fault IA current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |
| HR2197           |                                            |        |        | HR2196 (Lo-16bits)                              |
| HR2198           | DOC3:ldir>>> Latest fault IB current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                 |



| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR2199           |                                              |        |        | HR2198 (Lo-16bits)                                                            |
| HR2200           | DOC3:ldir>>> Latest fault IC current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2201           |                                              |        |        | HR2200 (Lo-16bits)                                                            |
| HR2202           | DOC4:ldir>>> Latest fault ended with         | R      | 1      | 0=No Faults 1=Start 2=Trip                                                    |
| HR2203           | DOC4:ldir>>> Latest fault type               | R      | 1      | 0=- 1=A-G 2=B-G 3=A-B 4=C-G 5=A-C 6=B-C 7=A-B-C                               |
| HR2204           | DOC4:ldir>>> Latest fault angle              | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                |
| HR2205           |                                              |        |        | HR2204 (Lo-16bits)                                                            |
| HR2206           | DOC4:ldir>>> Latest fault IA current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2207           |                                              |        |        | HR2206 (Lo-16bits)                                                            |
| HR2208           | DOC4:ldir>>> Latest fault IB current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2209           |                                              |        |        | HR2208 (Lo-16bits)                                                            |
| HR2210           | DOC4:ldir>>> Latest fault IC current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2211           |                                              |        |        | HR2210 (Lo-16bits)                                                            |
| HR2212           | NEF1:I0> Latest fault ended with             | R      | 1      | 0=No Faults 1=Start 2=Trip                                                    |
| HR2213           | NEF1:I0> Latest fault I0 current (pri)       | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2214           |                                              |        |        | HR2213 (Lo-16bits)                                                            |
| HR2215           | NEF1:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)                                                  |
| HR2216           |                                              |        |        | HR2215 (Lo-16bits)                                                            |
| HR2217           | NEF1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                                                                   |
| HR2218           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR2219           |                                              |        |        | HR2218 (Lo-16bits)                                                            |
| HR2220           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2221           | NEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2222           | NEF1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2223           | NEF1:Non-standard delay characteristics      | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2224           | NEF1:Time dial setting k                     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |

| Holding Register | Parameter                                    | Access | Length | Info                                                                             |
|------------------|----------------------------------------------|--------|--------|----------------------------------------------------------------------------------|
| HR2225           |                                              |        |        | HR2224 (Lo-16bits)                                                               |
| HR2226           | NEF1:IDMT constant A                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                      |
| HR2227           |                                              |        |        | HR2226 (Lo-16bits)                                                               |
| HR2228           | NEF1:IDMT constant B                         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)                                                        |
| HR2229           |                                              |        |        | HR2228 (Lo-16bits)                                                               |
| HR2230           | NEF1:IDMT constant C                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                      |
| HR2231           |                                              |        |        | HR2230 (Lo-16bits)                                                               |
| HR2232           | NEF1:Select setting group                    | R(W)   | 1      | 0=SG1 1=SG2 2=SG3 3=SG4 4=SG5<br>5=SG6 6=SG7 7=SG8 8=Edit Active SG              |
| HR2233           | NEF1:Write settings to selected SG           | R(W)   | 1      | 0=- 1=Write (autoreset)                                                          |
| HR2234           | NEF2:I0>> Latest fault ended with            | R      | 1      | 0=No Faults 1=Start 2=Trip                                                       |
| HR2235           | NEF2:I0>> Latest fault I0 current (pri)      | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                                  |
| HR2236           |                                              |        |        | HR2235 (Lo-16bits)                                                               |
| HR2237           | NEF2:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)                                                     |
| HR2238           |                                              |        |        | HR2237 (Lo-16bits)                                                               |
| HR2239           | NEF2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                                                                      |
| HR2240           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                     |
| HR2241           |                                              |        |        | HR2240 (Lo-16bits)                                                               |
| HR2242           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                      |
| HR2243           | NEF2:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                     |
| HR2244           | NEF2:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI<br>4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2245           | NEF2:Non-standard delay characteristics      | R(W)   | 1      | 0=RI-type 1=RD-type                                                              |
| HR2246           | NEF2:Time dial setting k                     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                    |
| HR2247           |                                              |        |        | HR2246 (Lo-16bits)                                                               |
| HR2248           | NEF2:IDMT constant A                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                      |
| HR2249           |                                              |        |        | HR2248 (Lo-16bits)                                                               |
| HR2250           | NEF2:IDMT constant B                         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)                                                        |
| HR2251           |                                              |        |        | HR2250 (Lo-16bits)                                                               |
| HR2252           | NEF2:IDMT constant C                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                      |

| Holding Register | Parameter                                    | Access | Length | Info                                                                             |
|------------------|----------------------------------------------|--------|--------|----------------------------------------------------------------------------------|
| HR2253           |                                              |        |        | HR2252 (Lo-16bits)                                                               |
| HR2254           | NEF2:Select setting group                    | R(W)   | 1      | 0=SG1 1=SG2 2=SG3 3=SG4 4=SG5<br>5=SG6 6=SG7 7=SG8 8=Edit Active SG              |
| HR2255           | NEF2:Write settings to selected SG           | R(W)   | 1      | 0=- 1=Write (autoreset)                                                          |
| HR2256           | NEF3:I0>>> Latest fault ended with           | R      | 1      | 0=No Faults 1=Start 2=Trip                                                       |
| HR2257           | NEF3:I0>>> Latest fault I0 current (pri)     | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                                  |
| HR2258           |                                              |        |        | HR2257 (Lo-16bits)                                                               |
| HR2259           | NEF3:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)                                                     |
| HR2260           |                                              |        |        | HR2259 (Lo-16bits)                                                               |
| HR2261           | NEF3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                                                                      |
| HR2262           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                     |
| HR2263           |                                              |        |        | HR2262 (Lo-16bits)                                                               |
| HR2264           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                      |
| HR2265           | NEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                     |
| HR2266           | NEF3:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI<br>4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2267           | NEF3:Non-standard delay characteristics      | R(W)   | 1      | 0=RI-type 1=RD-type                                                              |
| HR2268           | NEF3:Time dial setting k                     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                    |
| HR2269           |                                              |        |        | HR2268 (Lo-16bits)                                                               |
| HR2270           | NEF3:IDMT constant A                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                      |
| HR2271           |                                              |        |        | HR2270 (Lo-16bits)                                                               |
| HR2272           | NEF3:IDMT constant B                         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)                                                        |
| HR2273           |                                              |        |        | HR2272 (Lo-16bits)                                                               |
| HR2274           | NEF3:IDMT constant C                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                      |
| HR2275           |                                              |        |        | HR2274 (Lo-16bits)                                                               |
| HR2276           | NEF3:Select setting group                    | R(W)   | 1      | 0=SG1 1=SG2 2=SG3 3=SG4 4=SG5<br>5=SG6 6=SG7 7=SG8 8=Edit Active SG              |
| HR2277           | NEF3:Write settings to selected SG           | R(W)   | 1      | 0=- 1=Write (autoreset)                                                          |
| HR2278           | NEF4:I0>>>> Latest fault ended with          | R      | 1      | 0=No Faults 1=Start 2=Trip                                                       |

| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR2279           | NEF4:I0>>>> Latest fault I0 current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2280           |                                              |        |        | HR2279 (Lo-16bits)                                                            |
| HR2281           | NEF4:Pick-up setting Iset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)                                                  |
| HR2282           |                                              |        |        | HR2281 (Lo-16bits)                                                            |
| HR2283           | NEF4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                                                                   |
| HR2284           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR2285           |                                              |        |        | HR2284 (Lo-16bits)                                                            |
| HR2286           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2287           | NEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2288           | NEF4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2289           | NEF4:Non-standard delay characteristics      | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2290           | NEF4:Time dial setting k                     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR2291           |                                              |        |        | HR2290 (Lo-16bits)                                                            |
| HR2292           | NEF4:IDMT constant A                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                   |
| HR2293           |                                              |        |        | HR2292 (Lo-16bits)                                                            |
| HR2294           | NEF4:IDMT constant B                         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)                                                     |
| HR2295           |                                              |        |        | HR2294 (Lo-16bits)                                                            |
| HR2296           | NEF4:IDMT constant C                         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)                                                   |
| HR2297           |                                              |        |        | HR2296 (Lo-16bits)                                                            |
| HR2298           | NEF4:Select setting group                    | R(W)   | 1      | 0=SG1 1=SG2 2=SG3 3=SG4 4=SG5 5=SG6 6=SG7 7=SG8 8=Edit Active SG              |
| HR2299           | NEF4:Write settings to selected SG           | R(W)   | 1      | 0=- 1=Write (autoreset)                                                       |
| HR2300           | DEF1:I0dir> Latest fault ended with          | R      | 1      | 0=No Faults 1=Start 2=Trip                                                    |
| HR2301           | DEF1:I0dir> Latest fault angle               | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                |
| HR2302           |                                              |        |        | HR2301 (Lo-16bits)                                                            |
| HR2303           | DEF1:I0dir> Latest fault I0 current (pri)    | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |
| HR2304           |                                              |        |        | HR2303 (Lo-16bits)                                                            |
| HR2305           | DEF1:I0dir> Latest fault U0(%)               | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                               |

| Holding Register | Parameter                                    | Access | Length | Info                             |
|------------------|----------------------------------------------|--------|--------|----------------------------------|
| HR2306           |                                              |        |        | HR2305 (Lo-16bits)               |
| HR2307           | DEF2:I0dir>> Latest fault ended with         | R      | 1      | 0=No Faults 1=Start 2=Trip       |
| HR2308           | DEF2:I0dir>> Latest fault angle              | R      | 2      | FLOAT [-360...360] (Hi-16bits)   |
| HR2309           |                                              |        |        | HR2308 (Lo-16bits)               |
| HR2310           | DEF2:I0dir>> Latest fault I0 current (pri)   | R      | 2      | FLOAT [0...1000000] (Hi-16bits)  |
| HR2311           |                                              |        |        | HR2310 (Lo-16bits)               |
| HR2312           | DEF2:I0dir>> Latest fault U0(%)              | R      | 2      | FLOAT [0...1000000] (Hi-16bits)  |
| HR2313           |                                              |        |        | HR2312 (Lo-16bits)               |
| HR2314           | DEF3:I0dir>>> Latest fault ended with        | R      | 1      | 0=No Faults 1=Start 2=Trip       |
| HR2315           | DEF3:I0dir>>> Latest fault angle             | R      | 2      | FLOAT [-360...360] (Hi-16bits)   |
| HR2316           |                                              |        |        | HR2315 (Lo-16bits)               |
| HR2317           | DEF3:I0dir>>> Latest fault I0 current (pri)  | R      | 2      | FLOAT [0...1000000] (Hi-16bits)  |
| HR2318           |                                              |        |        | HR2317 (Lo-16bits)               |
| HR2319           | DEF3:I0dir>>> Latest fault U0(%)             | R      | 2      | FLOAT [0...1000000] (Hi-16bits)  |
| HR2320           |                                              |        |        | HR2319 (Lo-16bits)               |
| HR2321           | DEF4:I0dir>>>> Latest fault ended with       | R      | 1      | 0=No Faults 1=Start 2=Trip       |
| HR2322           | DEF4:I0dir>>>> Latest fault angle            | R      | 2      | FLOAT [-360...360] (Hi-16bits)   |
| HR2323           |                                              |        |        | HR2322 (Lo-16bits)               |
| HR2324           | DEF4:I0dir>>>> Latest fault I0 current (pri) | R      | 2      | FLOAT [0...1000000] (Hi-16bits)  |
| HR2325           |                                              |        |        | HR2324 (Lo-16bits)               |
| HR2326           | DEF4:I0dir>>>> Latest fault U0(%)            | R      | 2      | FLOAT [0...1000000] (Hi-16bits)  |
| HR2327           |                                              |        |        | HR2326 (Lo-16bits)               |
| HR2328           | GMAG:MVar Ref value (kVar) (remote)          | R(W)   | 2      | FLOAT [-1000...1000] (Hi-16bits) |
| HR2329           |                                              |        |        | HR2328 (Lo-16bits)               |
| HR2330           | GMAG:Mode FCR (remote)                       | R      | 1      | 0=Off 1=On                       |
| HR2331           | GMAG:Mode AVR (remote)                       | R      | 1      | 0=Off 1=On                       |

| Holding Register | Parameter                                 | Access | Length | Info                                                                                                                                                                                                                                                                                                                      |
|------------------|-------------------------------------------|--------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR2332           | ALARM:Alarms 65-96                        | R      | 2      | 0b=A65 1b=A66 2b=A67 3b=A68 4b=A69<br>5b=A70 6b=A71 7b=A72 8b=A73 9b=A74<br>10b=A75 11b=A76 12b=A77 13b=A78<br>14b=A79 15b=A80 16b=A81 17b=A82<br>18b=A83 19b=A84 20b=A85 21b=A86<br>22b=A87 23b=A88 24b=A89 25b=A90<br>26b=A91 27b=A92 28b=A93 29b=A94<br>30b=A95 31b=A96 (Hi-16bits)                                    |
| HR2333           |                                           |        |        | HR2332 (Lo-16bits)                                                                                                                                                                                                                                                                                                        |
| HR2334           | ALARM:Alarms 97-128                       | R      | 2      | 0b=A97 1b=A98 2b=A99 3b=A100<br>4b=A101 5b=A102 6b=A103 7b=A104<br>8b=A105 9b=A106 10b=A107 11b=A108<br>12b=A109 13b=A110 14b=A111<br>15b=A112 16b=A113 17b=A114<br>18b=A115 19b=A116 20b=A117<br>21b=A118 22b=A119 23b=A120<br>24b=A121 25b=A122 26b=A123<br>27b=A124 28b=A125 29b=A126<br>30b=A127 31b=A128 (Hi-16bits) |
| HR2335           |                                           |        |        | HR2334 (Lo-16bits)                                                                                                                                                                                                                                                                                                        |
| HR2336           | VUB1:U1/2 >/< Measurement condition       | R      | 1      | 0=Seq Volt available 1=No Seq volts available                                                                                                                                                                                                                                                                             |
| HR2337           | VUB2:U1/2 >>/<< Measurement condition     | R      | 1      | 0=Seq Volt available 1=No Seq volts available                                                                                                                                                                                                                                                                             |
| HR2338           | VUB3:U1/2 >>>/<<< Measurement condition   | R      | 1      | 0=Seq Volt available 1=No Seq volts available                                                                                                                                                                                                                                                                             |
| HR2339           | VUB4:U1/2 >>>>/<<<< Measurement condition | R      | 1      | 0=Seq Volt available 1=No Seq volts available                                                                                                                                                                                                                                                                             |
| HR2340           | VREC:Reset last fault values from memory  | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)                                                                                                                                                                                                                                                                                    |
| HR2341           |                                           |        |        | HR2340 (Lo-16bits)                                                                                                                                                                                                                                                                                                        |
| HR2342           | NOC1:l> phases condition                  | R      | 1      | 0=Normal 1=Start A 2=Start B 3=Start C<br>4=Trip A 5=Trip B 6=Trip C 7=Start AB<br>8=Start BC 9=Start CA 10=Trip AB 11=Trip BC<br>12=Trip CA 13=Start ABC 14=Trip ABC                                                                                                                                                     |
| HR2343           | NOC2:l>> phases condition                 | R      | 1      | 0=Normal 1=Start A 2=Start B 3=Start C<br>4=Trip A 5=Trip B 6=Trip C 7=Start AB<br>8=Start BC 9=Start CA 10=Trip AB 11=Trip BC<br>12=Trip CA 13=Start ABC 14=Trip ABC                                                                                                                                                     |
| HR2344           | NOC3:l>>> phases condition                | R      | 1      | 0=Normal 1=Start A 2=Start B 3=Start C<br>4=Trip A 5=Trip B 6=Trip C 7=Start AB<br>8=Start BC 9=Start CA 10=Trip AB 11=Trip BC<br>12=Trip CA 13=Start ABC 14=Trip ABC                                                                                                                                                     |

| Holding Register | Parameter                   | Access | Length | Info                                                                                                                                                                  |
|------------------|-----------------------------|--------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR2345           | NOC4:I>>>> phases condition | R      | 1      | 0=Normal 1=Start A 2=Start B 3=Start C<br>4=Trip A 5=Trip B 6=Trip C 7=Start AB<br>8=Start BC 9=Start CA 10=Trip AB 11=Trip BC<br>12=Trip CA 13=Start ABC 14=Trip ABC |
| HR2346           | VRG1:Target voltage (UTGT)  | R(W)   | 2      | FLOAT [70...140] (Hi-16bits)                                                                                                                                          |
| HR2347           |                             |        |        | HR2346 (Lo-16bits)                                                                                                                                                    |
| HR2348           | VRG1:Target voltage (UTGT)  | R(W)   | 2      | FLOAT [70...140] (Hi-16bits)                                                                                                                                          |
| HR2349           |                             |        |        | HR2348 (Lo-16bits)                                                                                                                                                    |
| HR2350           | VRG1:Target voltage (UTGT)  | R(W)   | 2      | FLOAT [70...140] (Hi-16bits)                                                                                                                                          |
| HR2351           |                             |        |        | HR2350 (Lo-16bits)                                                                                                                                                    |
| HR2352           | VRG1:Target voltage (UTGT)  | R(W)   | 2      | FLOAT [70...140] (Hi-16bits)                                                                                                                                          |
| HR2353           |                             |        |        | HR2352 (Lo-16bits)                                                                                                                                                    |
| HR2354           | VRG1:Target voltage (UTGT)  | R(W)   | 2      | FLOAT [70...140] (Hi-16bits)                                                                                                                                          |
| HR2355           |                             |        |        | HR2354 (Lo-16bits)                                                                                                                                                    |
| HR2356           | VRG1:Target voltage (UTGT)  | R(W)   | 2      | FLOAT [70...140] (Hi-16bits)                                                                                                                                          |
| HR2357           |                             |        |        | HR2356 (Lo-16bits)                                                                                                                                                    |
| HR2358           | VRG1:Target voltage (UTGT)  | R(W)   | 2      | FLOAT [70...140] (Hi-16bits)                                                                                                                                          |
| HR2359           |                             |        |        | HR2358 (Lo-16bits)                                                                                                                                                    |
| HR2360           | VRG1:Target voltage (UTGT)  | R(W)   | 2      | FLOAT [70...140] (Hi-16bits)                                                                                                                                          |
| HR2361           |                             |        |        | HR2360 (Lo-16bits)                                                                                                                                                    |
| HR2362           | VRG1:U> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits)                                                                                                                                          |
| HR2363           |                             |        |        | HR2362 (Lo-16bits)                                                                                                                                                    |
| HR2364           | VRG1:U> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits)                                                                                                                                          |
| HR2365           |                             |        |        | HR2364 (Lo-16bits)                                                                                                                                                    |
| HR2366           | VRG1:U> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits)                                                                                                                                          |
| HR2367           |                             |        |        | HR2366 (Lo-16bits)                                                                                                                                                    |
| HR2368           | VRG1:U> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits)                                                                                                                                          |
| HR2369           |                             |        |        | HR2368 (Lo-16bits)                                                                                                                                                    |
| HR2370           | VRG1:U> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits)                                                                                                                                          |
| HR2371           |                             |        |        | HR2370 (Lo-16bits)                                                                                                                                                    |
| HR2372           | VRG1:U> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits)                                                                                                                                          |

| Holding Register | Parameter                    | Access | Length | Info                         |
|------------------|------------------------------|--------|--------|------------------------------|
| HR2373           |                              |        |        | HR2372 (Lo-16bits)           |
| HR2374           | VRG1:U> setting (+UTGT)      | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2375           |                              |        |        | HR2374 (Lo-16bits)           |
| HR2376           | VRG1:U> setting (+UTGT)      | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2377           |                              |        |        | HR2376 (Lo-16bits)           |
| HR2378           | VRG1:U< setting (-UTGT)      | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2379           |                              |        |        | HR2378 (Lo-16bits)           |
| HR2380           | VRG1:U< setting (-UTGT)      | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2381           |                              |        |        | HR2380 (Lo-16bits)           |
| HR2382           | VRG1:U< setting (-UTGT)      | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2383           |                              |        |        | HR2382 (Lo-16bits)           |
| HR2384           | VRG1:U< setting (-UTGT)      | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2385           |                              |        |        | HR2384 (Lo-16bits)           |
| HR2386           | VRG1:U< setting (-UTGT)      | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2387           |                              |        |        | HR2386 (Lo-16bits)           |
| HR2388           | VRG1:U< setting (-UTGT)      | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2389           |                              |        |        | HR2388 (Lo-16bits)           |
| HR2390           | VRG1:U< setting (-UTGT)      | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2391           |                              |        |        | HR2390 (Lo-16bits)           |
| HR2392           | VRG1:U< setting (-UTGT)      | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2393           |                              |        |        | HR2392 (Lo-16bits)           |
| HR2394           | VRG1:U>/< T1 time delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2395           |                              |        |        | HR2394 (Lo-16bits)           |
| HR2396           | VRG1:U>/< T1 time delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2397           |                              |        |        | HR2396 (Lo-16bits)           |
| HR2398           | VRG1:U>/< T1 time delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2399           |                              |        |        | HR2398 (Lo-16bits)           |
| HR2400           | VRG1:U>/< T1 time delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2401           |                              |        |        | HR2400 (Lo-16bits)           |
| HR2402           | VRG1:U>/< T1 time delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |



| Holding Register | Parameter                    | Access | Length | Info                         |
|------------------|------------------------------|--------|--------|------------------------------|
| HR2403           |                              |        |        | HR2402 (Lo-16bits)           |
| HR2404           | VRG1:U>/< T1 time delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2405           |                              |        |        | HR2404 (Lo-16bits)           |
| HR2406           | VRG1:U>/< T1 time delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2407           |                              |        |        | HR2406 (Lo-16bits)           |
| HR2408           | VRG1:U>/< T1 time delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2409           |                              |        |        | HR2408 (Lo-16bits)           |
| HR2410           | VRG1:U>> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2411           |                              |        |        | HR2410 (Lo-16bits)           |
| HR2412           | VRG1:U>> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2413           |                              |        |        | HR2412 (Lo-16bits)           |
| HR2414           | VRG1:U>> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2415           |                              |        |        | HR2414 (Lo-16bits)           |
| HR2416           | VRG1:U>> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2417           |                              |        |        | HR2416 (Lo-16bits)           |
| HR2418           | VRG1:U>> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2419           |                              |        |        | HR2418 (Lo-16bits)           |
| HR2420           | VRG1:U>> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2421           |                              |        |        | HR2420 (Lo-16bits)           |
| HR2422           | VRG1:U>> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2423           |                              |        |        | HR2422 (Lo-16bits)           |
| HR2424           | VRG1:U>> setting (+UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2425           |                              |        |        | HR2424 (Lo-16bits)           |
| HR2426           | VRG1:U<< setting (-UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2427           |                              |        |        | HR2426 (Lo-16bits)           |
| HR2428           | VRG1:U<< setting (-UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2429           |                              |        |        | HR2428 (Lo-16bits)           |
| HR2430           | VRG1:U<< setting (-UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |
| HR2431           |                              |        |        | HR2430 (Lo-16bits)           |
| HR2432           | VRG1:U<< setting (-UTGT)     | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length | Info                                 |
|------------------|------------------------------------------------|--------|--------|--------------------------------------|
| HR2433           |                                                |        |        | HR2432 (Lo-16bits)                   |
| HR2434           | VRG1:U<< setting (-UTGT)                       | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits)         |
| HR2435           |                                                |        |        | HR2434 (Lo-16bits)                   |
| HR2436           | VRG1:U<< setting (-UTGT)                       | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits)         |
| HR2437           |                                                |        |        | HR2436 (Lo-16bits)                   |
| HR2438           | VRG1:U<< setting (-UTGT)                       | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits)         |
| HR2439           |                                                |        |        | HR2438 (Lo-16bits)                   |
| HR2440           | VRG1:U<< setting (-UTGT)                       | R(W)   | 2      | FLOAT [0.1...30] (Hi-16bits)         |
| HR2441           |                                                |        |        | HR2440 (Lo-16bits)                   |
| HR2442           | MEAS2:MEAS2 IL ang. Ref                        | R      | 2      | FLOAT [-360...360] (Hi-16bits)       |
| HR2443           |                                                |        |        | HR2442 (Lo-16bits)                   |
| HR2444           | IMERX:IL1 Resistive Current Pri.               | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2445           |                                                |        |        | HR2444 (Lo-16bits)                   |
| HR2446           | IMERX:IL1 Reactive Current Pri.                | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2447           |                                                |        |        | HR2446 (Lo-16bits)                   |
| HR2448           | IMERX:IL2 Resistive Current Pri.               | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2449           |                                                |        |        | HR2448 (Lo-16bits)                   |
| HR2450           | IMERX:IL2 Reactive Current Pri.                | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2451           |                                                |        |        | HR2450 (Lo-16bits)                   |
| HR2452           | IMERX:IL3 Resistive Current Pri.               | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2453           |                                                |        |        | HR2452 (Lo-16bits)                   |
| HR2454           | IMERX:IL3 Reactive Current Pri.                | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2455           |                                                |        |        | HR2454 (Lo-16bits)                   |
| HR2456           | IMERX:Positive sequence Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2457           |                                                |        |        | HR2456 (Lo-16bits)                   |
| HR2458           | IMERX:Positive sequence Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2459           |                                                |        |        | HR2458 (Lo-16bits)                   |
| HR2460           | IMERX:I01 Residual Resistive Current Pri.      | R      | 2      | FLOAT [-100000...100000] (Hi-16bits) |
| HR2461           |                                                |        |        | HR2460 (Lo-16bits)                   |

| Holding Register | Parameter                                 | Access | Length | Info                                         |
|------------------|-------------------------------------------|--------|--------|----------------------------------------------|
| HR2462           | IMERX:I01 Residual Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR2463           |                                           |        |        | HR2462 (Lo-16bits)                           |
| HR2464           | IMERX:I02 Residual Resistive Current Pri. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR2465           |                                           |        |        | HR2464 (Lo-16bits)                           |
| HR2466           | IMERX:I02 Residual Reactive Current Pri.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR2467           |                                           |        |        | HR2466 (Lo-16bits)                           |
| HR2468           | IMERX:I01 Residual Resistive Current Sec. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR2469           |                                           |        |        | HR2468 (Lo-16bits)                           |
| HR2470           | IMERX:I01 Residual Reactive Current Sec.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR2471           |                                           |        |        | HR2470 (Lo-16bits)                           |
| HR2472           | IMERX:I02 Residual Resistive Current Sec. | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR2473           |                                           |        |        | HR2472 (Lo-16bits)                           |
| HR2474           | IMERX:I02 Residual Reactive Current Sec.  | R      | 2      | FLOAT [-100000...100000] (Hi-16bits)         |
| HR2475           |                                           |        |        | HR2474 (Lo-16bits)                           |
| HR2476           | POW1:3PH Power factor                     | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR2477           |                                           |        |        | HR2476 (Lo-16bits)                           |
| HR2478           | POW2:Export Active Energy (P) MWh         | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2479           |                                           |        |        | HR2478 (Lo-16bits)                           |
| HR2480           | POW2:Export Active Energy (P) kWh         | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2481           |                                           |        |        | HR2480 (Lo-16bits)                           |
| HR2482           | POW2:Import Active Energy (P) MWh         | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2483           |                                           |        |        | HR2482 (Lo-16bits)                           |
| HR2484           | POW2:Import Active Energy (P) kWh         | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2485           |                                           |        |        | HR2484 (Lo-16bits)                           |

| Holding Register | Parameter                                                  | Access | Length | Info                                            |
|------------------|------------------------------------------------------------|--------|--------|-------------------------------------------------|
| HR2486           | POW2:Active Energy (P) Export/<br>Import balance MWh       | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2487           |                                                            |        |        | HR2486 (Lo-16bits)                              |
| HR2488           | POW2:Active Energy (P) Export/<br>Import balance kWh       | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2489           |                                                            |        |        | HR2488 (Lo-16bits)                              |
| HR2490           | POW2:Imported (Q) while Export<br>(P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2491           |                                                            |        |        | HR2490 (Lo-16bits)                              |
| HR2492           | POW2:Imported (Q) while Export<br>(P) kVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2493           |                                                            |        |        | HR2492 (Lo-16bits)                              |
| HR2494           | POW2:Imported (Q) while Import<br>(P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2495           |                                                            |        |        | HR2494 (Lo-16bits)                              |
| HR2496           | POW2:Imported (Q) while Import<br>(P) kVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2497           |                                                            |        |        | HR2496 (Lo-16bits)                              |
| HR2498           | POW2:Reactive Energy (Q) balance<br>while Import (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2499           |                                                            |        |        | HR2498 (Lo-16bits)                              |
| HR2500           | POW2:Reactive Energy (Q) balance<br>while Import (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2501           |                                                            |        |        | HR2500 (Lo-16bits)                              |
| HR2502           | POW2:Exported (Q) while Export<br>(P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2503           |                                                            |        |        | HR2502 (Lo-16bits)                              |
| HR2504           | POW2:Exported (Q) while Export<br>(P) kVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2505           |                                                            |        |        | HR2504 (Lo-16bits)                              |
| HR2506           | POW2:Exported (Q) while Import<br>(P) MVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2507           |                                                            |        |        | HR2506 (Lo-16bits)                              |
| HR2508           | POW2:Exported (Q) while Import<br>(P) kVarh                | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR2509           |                                                            |        |        | HR2508 (Lo-16bits)                              |

| Holding Register | Parameter                                               | Access | Length | Info                                         |
|------------------|---------------------------------------------------------|--------|--------|----------------------------------------------|
| HR2510           | POW2:Reactive Energy (Q) balance while Export (P) MVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2511           |                                                         |        |        | HR2510 (Lo-16bits)                           |
| HR2512           | POW2:Reactive Energy (Q) balance while Export (P) kVarh | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR2513           |                                                         |        |        | HR2512 (Lo-16bits)                           |
| HR2514           | POW2:Reset 3ph energies                                 | R(W)   | 1      | 0=- 1=Reset                                  |
| HR2515           | POW2:POW2 3PH Apparent power (S)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR2516           |                                                         |        |        | HR2515 (Lo-16bits)                           |
| HR2517           | POW2:POW2 3PH Apparent power (S MVA)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR2518           |                                                         |        |        | HR2517 (Lo-16bits)                           |
| HR2519           | POW2:POW2 3PH Active power (P)                          | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR2520           |                                                         |        |        | HR2519 (Lo-16bits)                           |
| HR2521           | POW2:POW2 3PH Active power (P MW)                       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR2522           |                                                         |        |        | HR2521 (Lo-16bits)                           |
| HR2523           | POW2:POW2 3PH Reactive power (Q)                        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR2524           |                                                         |        |        | HR2523 (Lo-16bits)                           |
| HR2525           | POW2:POW2 3PH Reactive power (QMVar)                    | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR2526           |                                                         |        |        | HR2525 (Lo-16bits)                           |
| HR2527           | POW2:POW2 3PH Tan(phi)                                  | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR2528           |                                                         |        |        | HR2527 (Lo-16bits)                           |
| HR2529           | POW2:POW2 3PH Cos(phi)                                  | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR2530           |                                                         |        |        | HR2529 (Lo-16bits)                           |
| HR2531           | POW2:3PH Power factor                                   | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)       |
| HR2532           |                                                         |        |        | HR2531 (Lo-16bits)                           |
| HR2533           | LOGIC1:Logic out 33-64                                  | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)          |
| HR2534           |                                                         |        |        | HR2533 (Lo-16bits)                           |
| HR2535           | RTDIN:S1 Filtered measurement                           | R      | 2      | FLOAT [-200...2000] (Hi-16bits)              |
| HR2536           |                                                         |        |        | HR2535 (Lo-16bits)                           |

| Holding Register | Parameter                      | Access | Length | Info                            |
|------------------|--------------------------------|--------|--------|---------------------------------|
| HR2537           | RTDIN:S2 Filtered measurement  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2538           |                                |        |        | HR2537 (Lo-16bits)              |
| HR2539           | RTDIN:S3 Filtered measurement  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2540           |                                |        |        | HR2539 (Lo-16bits)              |
| HR2541           | RTDIN:S4 Filtered measurement  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2542           |                                |        |        | HR2541 (Lo-16bits)              |
| HR2543           | RTDIN:S5 Filtered measurement  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2544           |                                |        |        | HR2543 (Lo-16bits)              |
| HR2545           | RTDIN:S6 Filtered measurement  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2546           |                                |        |        | HR2545 (Lo-16bits)              |
| HR2547           | RTDIN:S7 Filtered measurement  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2548           |                                |        |        | HR2547 (Lo-16bits)              |
| HR2549           | RTDIN:S8 Filtered measurement  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2550           |                                |        |        | HR2549 (Lo-16bits)              |
| HR2551           | RTDIN:S9 Filtered measurement  | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2552           |                                |        |        | HR2551 (Lo-16bits)              |
| HR2553           | RTDIN:S10 Filtered measurement | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2554           |                                |        |        | HR2553 (Lo-16bits)              |
| HR2555           | RTDIN:S11 Filtered measurement | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2556           |                                |        |        | HR2555 (Lo-16bits)              |
| HR2557           | RTDIN:S12 Filtered measurement | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2558           |                                |        |        | HR2557 (Lo-16bits)              |
| HR2559           | RTDIN:S13 Filtered measurement | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2560           |                                |        |        | HR2559 (Lo-16bits)              |
| HR2561           | RTDIN:S14 Filtered measurement | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2562           |                                |        |        | HR2561 (Lo-16bits)              |
| HR2563           | RTDIN:S15 Filtered measurement | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2564           |                                |        |        | HR2563 (Lo-16bits)              |
| HR2565           | RTDIN:S16 Filtered measurement | R      | 2      | FLOAT [-200...2000] (Hi-16bits) |
| HR2566           |                                |        |        | HR2565 (Lo-16bits)              |

| Holding Register | Parameter                            | Access | Length | Info                                    |
|------------------|--------------------------------------|--------|--------|-----------------------------------------|
| HR2567           | SYN1:SYN1 Estimated BRK Closing time | R      | 2      | FLOAT [0...360] (Hi-16bits)             |
| HR2568           |                                      |        |        | HR2567 (Lo-16bits)                      |
| HR2569           | SYN1:SYN1 Networks rotating time     | R      | 2      | FLOAT [0...360] (Hi-16bits)             |
| HR2570           |                                      |        |        | HR2569 (Lo-16bits)                      |
| HR2571           | SYN1:SYN1 Networks placement atm     | R      | 2      | FLOAT [-360...360] (Hi-16bits)          |
| HR2572           |                                      |        |        | HR2571 (Lo-16bits)                      |
| HR2573           | GSYN:GSYN Nets Standstill            | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2574           |                                      |        |        | HR2573 (Lo-16bits)                      |
| HR2575           | GSYN:GSYN Nets Departing             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2576           |                                      |        |        | HR2575 (Lo-16bits)                      |
| HR2577           | GSYN:GSYN Nets Enclosing             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2578           |                                      |        |        | HR2577 (Lo-16bits)                      |
| HR2579           | PCS1:PCS1 Switch Status              | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2580           |                                      |        |        | HR2579 (Lo-16bits)                      |
| HR2581           | PCS2:PCS2 Switch Status              | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2582           |                                      |        |        | HR2581 (Lo-16bits)                      |
| HR2583           | PCS3:PCS3 Switch Status              | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2584           |                                      |        |        | HR2583 (Lo-16bits)                      |
| HR2585           | PCS4:PCS4 Switch Status              | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2586           |                                      |        |        | HR2585 (Lo-16bits)                      |
| HR2587           | PCS5:PCS5 Switch Status              | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR2588           |                                      |        |        | HR2587 (Lo-16bits)                      |
| HR2589           | NOC1:Pick-up setting lset            | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)            |
| HR2590           |                                      |        |        | HR2589 (Lo-16bits)                      |
| HR2591           | NOC1:Pick-up setting lset            | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits)            |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2592           |                                              |        |        | HR2591 (Lo-16bits)           |
| HR2593           | NOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2594           |                                              |        |        | HR2593 (Lo-16bits)           |
| HR2595           | NOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2596           |                                              |        |        | HR2595 (Lo-16bits)           |
| HR2597           | NOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2598           |                                              |        |        | HR2597 (Lo-16bits)           |
| HR2599           | NOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2600           |                                              |        |        | HR2599 (Lo-16bits)           |
| HR2601           | NOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2602           |                                              |        |        | HR2601 (Lo-16bits)           |
| HR2603           | NOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2604           |                                              |        |        | HR2603 (Lo-16bits)           |
| HR2605           | NOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2606           | NOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2607           | NOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2608           | NOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2609           | NOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2610           | NOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2611           | NOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2612           | NOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2613           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2614           |                                              |        |        | HR2613 (Lo-16bits)           |
| HR2615           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2616           |                                              |        |        | HR2615 (Lo-16bits)           |
| HR2617           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2618           |                                              |        |        | HR2617 (Lo-16bits)           |
| HR2619           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |



| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR2620           |                                              |        |        | HR2619 (Lo-16bits)                                                            |
| HR2621           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR2622           |                                              |        |        | HR2621 (Lo-16bits)                                                            |
| HR2623           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR2624           |                                              |        |        | HR2623 (Lo-16bits)                                                            |
| HR2625           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR2626           |                                              |        |        | HR2625 (Lo-16bits)                                                            |
| HR2627           | NOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR2628           |                                              |        |        | HR2627 (Lo-16bits)                                                            |
| HR2629           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2630           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2631           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2632           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2633           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2634           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2635           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2636           | NOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2637           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2638           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2639           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2640           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2641           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2642           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2643           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2644           | NOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2645           | NOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2646           | NOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |

| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR2647           | NOC1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2648           | NOC1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2649           | NOC1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2650           | NOC1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2651           | NOC1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2652           | NOC1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2653           | NOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2654           | NOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2655           | NOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2656           | NOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2657           | NOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2658           | NOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2659           | NOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2660           | NOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2661           | NOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR2662           |                                         |        |        | HR2661 (Lo-16bits)                                                            |
| HR2663           | NOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR2664           |                                         |        |        | HR2663 (Lo-16bits)                                                            |
| HR2665           | NOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR2666           |                                         |        |        | HR2665 (Lo-16bits)                                                            |
| HR2667           | NOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR2668           |                                         |        |        | HR2667 (Lo-16bits)                                                            |
| HR2669           | NOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR2670           |                          |        |        | HR2669 (Lo-16bits)            |
| HR2671           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2672           |                          |        |        | HR2671 (Lo-16bits)            |
| HR2673           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2674           |                          |        |        | HR2673 (Lo-16bits)            |
| HR2675           | NOC1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2676           |                          |        |        | HR2675 (Lo-16bits)            |
| HR2677           | NOC1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2678           |                          |        |        | HR2677 (Lo-16bits)            |
| HR2679           | NOC1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2680           |                          |        |        | HR2679 (Lo-16bits)            |
| HR2681           | NOC1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2682           |                          |        |        | HR2681 (Lo-16bits)            |
| HR2683           | NOC1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2684           |                          |        |        | HR2683 (Lo-16bits)            |
| HR2685           | NOC1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2686           |                          |        |        | HR2685 (Lo-16bits)            |
| HR2687           | NOC1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2688           |                          |        |        | HR2687 (Lo-16bits)            |
| HR2689           | NOC1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2690           |                          |        |        | HR2689 (Lo-16bits)            |
| HR2691           | NOC1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2692           |                          |        |        | HR2691 (Lo-16bits)            |
| HR2693           | NOC1:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR2694           |                          |        |        | HR2693 (Lo-16bits)            |
| HR2695           | NOC1:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR2696           |                          |        |        | HR2695 (Lo-16bits)            |
| HR2697           | NOC1:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR2698           |                          |        |        | HR2697 (Lo-16bits)            |
| HR2699           | NOC1:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |

| Holding Register | Parameter                                             | Access | Length | Info                        |
|------------------|-------------------------------------------------------|--------|--------|-----------------------------|
| HR2700           |                                                       |        |        | HR2699 (Lo-16bits)          |
| HR2701           | NOC1:IDMT constant B                                  | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2702           |                                                       |        |        | HR2701 (Lo-16bits)          |
| HR2703           | NOC1:IDMT constant B                                  | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2704           |                                                       |        |        | HR2703 (Lo-16bits)          |
| HR2705           | NOC1:IDMT constant B                                  | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2706           |                                                       |        |        | HR2705 (Lo-16bits)          |
| HR2707           | NOC1:IDMT constant B                                  | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2708           |                                                       |        |        | HR2707 (Lo-16bits)          |
| HR2709           | NOC1:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2710           |                                                       |        |        | HR2709 (Lo-16bits)          |
| HR2711           | NOC1:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2712           |                                                       |        |        | HR2711 (Lo-16bits)          |
| HR2713           | NOC1:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2714           |                                                       |        |        | HR2713 (Lo-16bits)          |
| HR2715           | NOC1:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2716           |                                                       |        |        | HR2715 (Lo-16bits)          |
| HR2717           | NOC1:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2718           |                                                       |        |        | HR2717 (Lo-16bits)          |
| HR2719           | NOC1:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2720           |                                                       |        |        | HR2719 (Lo-16bits)          |
| HR2721           | NOC1:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2722           |                                                       |        |        | HR2721 (Lo-16bits)          |
| HR2723           | NOC1:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2724           |                                                       |        |        | HR2723 (Lo-16bits)          |
| HR2725           | NOC1:Inrush harmonic blocking<br>(Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR2726           | NOC1:Inrush harmonic blocking<br>(Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR2727           | NOC1:Inrush harmonic blocking<br>(Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                         |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2728           | NOC1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR2729           | NOC1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR2730           | NOC1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR2731           | NOC1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR2732           | NOC1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR2733           | NOC1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2734           |                                                    |        |        | HR2733 (Lo-16bits)           |
| HR2735           | NOC1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2736           |                                                    |        |        | HR2735 (Lo-16bits)           |
| HR2737           | NOC1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2738           |                                                    |        |        | HR2737 (Lo-16bits)           |
| HR2739           | NOC1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2740           |                                                    |        |        | HR2739 (Lo-16bits)           |
| HR2741           | NOC1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2742           |                                                    |        |        | HR2741 (Lo-16bits)           |
| HR2743           | NOC1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2744           |                                                    |        |        | HR2743 (Lo-16bits)           |
| HR2745           | NOC1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2746           |                                                    |        |        | HR2745 (Lo-16bits)           |
| HR2747           | NOC1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2748           |                                                    |        |        | HR2747 (Lo-16bits)           |
| HR2749           | NOC1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR2750           | NOC1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR2751           | NOC1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |

| Holding Register | Parameter                                         | Access | Length | Info                        |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR2752           | NOC1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR2753           | NOC1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR2754           | NOC1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR2755           | NOC1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR2756           | NOC1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR2757           | NOC1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2758           |                                                   |        |        | HR2757 (Lo-16bits)          |
| HR2759           | NOC1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2760           |                                                   |        |        | HR2759 (Lo-16bits)          |
| HR2761           | NOC1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2762           |                                                   |        |        | HR2761 (Lo-16bits)          |
| HR2763           | NOC1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2764           |                                                   |        |        | HR2763 (Lo-16bits)          |
| HR2765           | NOC1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2766           |                                                   |        |        | HR2765 (Lo-16bits)          |
| HR2767           | NOC1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2768           |                                                   |        |        | HR2767 (Lo-16bits)          |
| HR2769           | NOC1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2770           |                                                   |        |        | HR2769 (Lo-16bits)          |
| HR2771           | NOC1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2772           |                                                   |        |        | HR2771 (Lo-16bits)          |
| HR2773           | NOC1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR2774           | NOC1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR2775           | NOC1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR2776           | NOC1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR2777           | NOC1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR2778           | NOC1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                         |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2779           | NOC1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                   |
| HR2780           | NOC1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                   |
| HR2781           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR2782           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR2783           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR2784           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR2785           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR2786           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR2787           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR2788           | NOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR2789           | NOC2:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2790           |                                                    |        |        | HR2789 (Lo-16bits)           |
| HR2791           | NOC2:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2792           |                                                    |        |        | HR2791 (Lo-16bits)           |
| HR2793           | NOC2:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2794           |                                                    |        |        | HR2793 (Lo-16bits)           |
| HR2795           | NOC2:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2796           |                                                    |        |        | HR2795 (Lo-16bits)           |
| HR2797           | NOC2:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2798           |                                                    |        |        | HR2797 (Lo-16bits)           |
| HR2799           | NOC2:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2800           |                                                    |        |        | HR2799 (Lo-16bits)           |
| HR2801           | NOC2:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2802           |                                                    |        |        | HR2801 (Lo-16bits)           |
| HR2803           | NOC2:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR2804           |                                              |        |        | HR2803 (Lo-16bits)           |
| HR2805           | NOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2806           | NOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2807           | NOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2808           | NOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2809           | NOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2810           | NOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2811           | NOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2812           | NOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR2813           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2814           |                                              |        |        | HR2813 (Lo-16bits)           |
| HR2815           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2816           |                                              |        |        | HR2815 (Lo-16bits)           |
| HR2817           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2818           |                                              |        |        | HR2817 (Lo-16bits)           |
| HR2819           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2820           |                                              |        |        | HR2819 (Lo-16bits)           |
| HR2821           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2822           |                                              |        |        | HR2821 (Lo-16bits)           |
| HR2823           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2824           |                                              |        |        | HR2823 (Lo-16bits)           |
| HR2825           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2826           |                                              |        |        | HR2825 (Lo-16bits)           |
| HR2827           | NOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR2828           |                                              |        |        | HR2827 (Lo-16bits)           |
| HR2829           | NOC2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |



| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR2830           | NOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2831           | NOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2832           | NOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2833           | NOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2834           | NOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2835           | NOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2836           | NOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR2837           | NOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2838           | NOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2839           | NOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2840           | NOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2841           | NOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2842           | NOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2843           | NOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2844           | NOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR2845           | NOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2846           | NOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2847           | NOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2848           | NOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2849           | NOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2850           | NOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2851           | NOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2852           | NOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR2853           | NOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR2854           | NOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |

| Holding Register | Parameter                               | Access | Length | Info                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------|
| HR2855           | NOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR2856           | NOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR2857           | NOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR2858           | NOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR2859           | NOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR2860           | NOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR2861           | NOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2862           |                                         |        |        | HR2861 (Lo-16bits)            |
| HR2863           | NOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2864           |                                         |        |        | HR2863 (Lo-16bits)            |
| HR2865           | NOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2866           |                                         |        |        | HR2865 (Lo-16bits)            |
| HR2867           | NOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2868           |                                         |        |        | HR2867 (Lo-16bits)            |
| HR2869           | NOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2870           |                                         |        |        | HR2869 (Lo-16bits)            |
| HR2871           | NOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2872           |                                         |        |        | HR2871 (Lo-16bits)            |
| HR2873           | NOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2874           |                                         |        |        | HR2873 (Lo-16bits)            |
| HR2875           | NOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR2876           |                                         |        |        | HR2875 (Lo-16bits)            |
| HR2877           | NOC2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2878           |                                         |        |        | HR2877 (Lo-16bits)            |
| HR2879           | NOC2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR2880           |                                         |        |        | HR2879 (Lo-16bits)            |
| HR2881           | NOC2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR2882           |                      |        |        | HR2881 (Lo-16bits)          |
| HR2883           | NOC2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2884           |                      |        |        | HR2883 (Lo-16bits)          |
| HR2885           | NOC2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2886           |                      |        |        | HR2885 (Lo-16bits)          |
| HR2887           | NOC2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2888           |                      |        |        | HR2887 (Lo-16bits)          |
| HR2889           | NOC2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2890           |                      |        |        | HR2889 (Lo-16bits)          |
| HR2891           | NOC2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2892           |                      |        |        | HR2891 (Lo-16bits)          |
| HR2893           | NOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2894           |                      |        |        | HR2893 (Lo-16bits)          |
| HR2895           | NOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2896           |                      |        |        | HR2895 (Lo-16bits)          |
| HR2897           | NOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2898           |                      |        |        | HR2897 (Lo-16bits)          |
| HR2899           | NOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2900           |                      |        |        | HR2899 (Lo-16bits)          |
| HR2901           | NOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2902           |                      |        |        | HR2901 (Lo-16bits)          |
| HR2903           | NOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2904           |                      |        |        | HR2903 (Lo-16bits)          |
| HR2905           | NOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2906           |                      |        |        | HR2905 (Lo-16bits)          |
| HR2907           | NOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR2908           |                      |        |        | HR2907 (Lo-16bits)          |
| HR2909           | NOC2:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR2910           |                      |        |        | HR2909 (Lo-16bits)          |
| HR2911           | NOC2:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                                                 | Access | Length | Info                         |
|------------------|---------------------------------------------------------------------------|--------|--------|------------------------------|
| HR2912           |                                                                           |        |        | HR2911 (Lo-16bits)           |
| HR2913           | NOC2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2914           |                                                                           |        |        | HR2913 (Lo-16bits)           |
| HR2915           | NOC2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2916           |                                                                           |        |        | HR2915 (Lo-16bits)           |
| HR2917           | NOC2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2918           |                                                                           |        |        | HR2917 (Lo-16bits)           |
| HR2919           | NOC2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2920           |                                                                           |        |        | HR2919 (Lo-16bits)           |
| HR2921           | NOC2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2922           |                                                                           |        |        | HR2921 (Lo-16bits)           |
| HR2923           | NOC2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR2924           |                                                                           |        |        | HR2923 (Lo-16bits)           |
| HR2925           | NOC2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR2926           | NOC2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR2927           | NOC2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR2928           | NOC2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR2929           | NOC2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR2930           | NOC2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR2931           | NOC2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR2932           | NOC2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR2933           | NOC2:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2934           |                                                                           |        |        | HR2933 (Lo-16bits)           |
| HR2935           | NOC2:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2936           |                                                                           |        |        | HR2935 (Lo-16bits)           |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR2937           | NOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2938           |                                                  |        |        | HR2937 (Lo-16bits)           |
| HR2939           | NOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2940           |                                                  |        |        | HR2939 (Lo-16bits)           |
| HR2941           | NOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2942           |                                                  |        |        | HR2941 (Lo-16bits)           |
| HR2943           | NOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2944           |                                                  |        |        | HR2943 (Lo-16bits)           |
| HR2945           | NOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2946           |                                                  |        |        | HR2945 (Lo-16bits)           |
| HR2947           | NOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2948           |                                                  |        |        | HR2947 (Lo-16bits)           |
| HR2949           | NOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR2950           | NOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR2951           | NOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR2952           | NOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR2953           | NOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR2954           | NOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR2955           | NOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR2956           | NOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR2957           | NOC2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR2958           |                                                  |        |        | HR2957 (Lo-16bits)           |
| HR2959           | NOC2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR2960           |                                                  |        |        | HR2959 (Lo-16bits)           |
| HR2961           | NOC2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR2962           |                                                  |        |        | HR2961 (Lo-16bits)           |
| HR2963           | NOC2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR2964           |                                                    |        |        | HR2963 (Lo-16bits)          |
| HR2965           | NOC2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2966           |                                                    |        |        | HR2965 (Lo-16bits)          |
| HR2967           | NOC2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2968           |                                                    |        |        | HR2967 (Lo-16bits)          |
| HR2969           | NOC2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2970           |                                                    |        |        | HR2969 (Lo-16bits)          |
| HR2971           | NOC2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR2972           |                                                    |        |        | HR2971 (Lo-16bits)          |
| HR2973           | NOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR2974           | NOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR2975           | NOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR2976           | NOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR2977           | NOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR2978           | NOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR2979           | NOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR2980           | NOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR2981           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR2982           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR2983           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR2984           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR2985           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR2986           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                         |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR2987           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR2988           | NOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR2989           | NOC3:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2990           |                                                    |        |        | HR2989 (Lo-16bits)           |
| HR2991           | NOC3:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2992           |                                                    |        |        | HR2991 (Lo-16bits)           |
| HR2993           | NOC3:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2994           |                                                    |        |        | HR2993 (Lo-16bits)           |
| HR2995           | NOC3:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2996           |                                                    |        |        | HR2995 (Lo-16bits)           |
| HR2997           | NOC3:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR2998           |                                                    |        |        | HR2997 (Lo-16bits)           |
| HR2999           | NOC3:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3000           |                                                    |        |        | HR2999 (Lo-16bits)           |
| HR3001           | NOC3:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3002           |                                                    |        |        | HR3001 (Lo-16bits)           |
| HR3003           | NOC3:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3004           |                                                    |        |        | HR3003 (Lo-16bits)           |
| HR3005           | NOC3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3006           | NOC3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3007           | NOC3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3008           | NOC3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3009           | NOC3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3010           | NOC3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3011           | NOC3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3012           | NOC3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3013           | NOC3:Definite (minimum) operating time delay       | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3014           |                                                    |        |        | HR3013 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3015           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3016           |                                              |        |        | HR3015 (Lo-16bits)           |
| HR3017           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3018           |                                              |        |        | HR3017 (Lo-16bits)           |
| HR3019           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3020           |                                              |        |        | HR3019 (Lo-16bits)           |
| HR3021           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3022           |                                              |        |        | HR3021 (Lo-16bits)           |
| HR3023           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3024           |                                              |        |        | HR3023 (Lo-16bits)           |
| HR3025           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3026           |                                              |        |        | HR3025 (Lo-16bits)           |
| HR3027           | NOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3028           |                                              |        |        | HR3027 (Lo-16bits)           |
| HR3029           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3030           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3031           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3032           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3033           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3034           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3035           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3036           | NOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3037           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR3038           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR3039           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR3040           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR3041           | NOC3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |



| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR3042           | NOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3043           | NOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3044           | NOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3045           | NOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3046           | NOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3047           | NOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3048           | NOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3049           | NOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3050           | NOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3051           | NOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3052           | NOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3053           | NOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3054           | NOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3055           | NOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3056           | NOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3057           | NOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3058           | NOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3059           | NOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3060           | NOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3061           | NOC3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR3062           |                                         |        |        | HR3061 (Lo-16bits)                                                            |
| HR3063           | NOC3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR3064           |                          |        |        | HR3063 (Lo-16bits)            |
| HR3065           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3066           |                          |        |        | HR3065 (Lo-16bits)            |
| HR3067           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3068           |                          |        |        | HR3067 (Lo-16bits)            |
| HR3069           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3070           |                          |        |        | HR3069 (Lo-16bits)            |
| HR3071           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3072           |                          |        |        | HR3071 (Lo-16bits)            |
| HR3073           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3074           |                          |        |        | HR3073 (Lo-16bits)            |
| HR3075           | NOC3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3076           |                          |        |        | HR3075 (Lo-16bits)            |
| HR3077           | NOC3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3078           |                          |        |        | HR3077 (Lo-16bits)            |
| HR3079           | NOC3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3080           |                          |        |        | HR3079 (Lo-16bits)            |
| HR3081           | NOC3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3082           |                          |        |        | HR3081 (Lo-16bits)            |
| HR3083           | NOC3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3084           |                          |        |        | HR3083 (Lo-16bits)            |
| HR3085           | NOC3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3086           |                          |        |        | HR3085 (Lo-16bits)            |
| HR3087           | NOC3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3088           |                          |        |        | HR3087 (Lo-16bits)            |
| HR3089           | NOC3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3090           |                          |        |        | HR3089 (Lo-16bits)            |
| HR3091           | NOC3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3092           |                          |        |        | HR3091 (Lo-16bits)            |
| HR3093           | NOC3:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR3094           |                      |        |        | HR3093 (Lo-16bits)          |
| HR3095           | NOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3096           |                      |        |        | HR3095 (Lo-16bits)          |
| HR3097           | NOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3098           |                      |        |        | HR3097 (Lo-16bits)          |
| HR3099           | NOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3100           |                      |        |        | HR3099 (Lo-16bits)          |
| HR3101           | NOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3102           |                      |        |        | HR3101 (Lo-16bits)          |
| HR3103           | NOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3104           |                      |        |        | HR3103 (Lo-16bits)          |
| HR3105           | NOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3106           |                      |        |        | HR3105 (Lo-16bits)          |
| HR3107           | NOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3108           |                      |        |        | HR3107 (Lo-16bits)          |
| HR3109           | NOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3110           |                      |        |        | HR3109 (Lo-16bits)          |
| HR3111           | NOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3112           |                      |        |        | HR3111 (Lo-16bits)          |
| HR3113           | NOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3114           |                      |        |        | HR3113 (Lo-16bits)          |
| HR3115           | NOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3116           |                      |        |        | HR3115 (Lo-16bits)          |
| HR3117           | NOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3118           |                      |        |        | HR3117 (Lo-16bits)          |
| HR3119           | NOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3120           |                      |        |        | HR3119 (Lo-16bits)          |
| HR3121           | NOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3122           |                      |        |        | HR3121 (Lo-16bits)          |
| HR3123           | NOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length | Info                         |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3124           |                                                    |        |        | HR3123 (Lo-16bits)           |
| HR3125           | NOC3:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3126           | NOC3:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3127           | NOC3:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3128           | NOC3:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3129           | NOC3:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3130           | NOC3:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3131           | NOC3:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3132           | NOC3:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3133           | NOC3:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3134           |                                                    |        |        | HR3133 (Lo-16bits)           |
| HR3135           | NOC3:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3136           |                                                    |        |        | HR3135 (Lo-16bits)           |
| HR3137           | NOC3:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3138           |                                                    |        |        | HR3137 (Lo-16bits)           |
| HR3139           | NOC3:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3140           |                                                    |        |        | HR3139 (Lo-16bits)           |
| HR3141           | NOC3:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3142           |                                                    |        |        | HR3141 (Lo-16bits)           |
| HR3143           | NOC3:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3144           |                                                    |        |        | HR3143 (Lo-16bits)           |
| HR3145           | NOC3:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3146           |                                                    |        |        | HR3145 (Lo-16bits)           |

| Holding Register | Parameter                                         | Access | Length | Info                         |
|------------------|---------------------------------------------------|--------|--------|------------------------------|
| HR3147           | NOC3:2nd harmonic blocking limit (lharm / Ifund)  | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3148           |                                                   |        |        | HR3147 (Lo-16bits)           |
| HR3149           | NOC3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR3150           | NOC3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR3151           | NOC3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR3152           | NOC3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR3153           | NOC3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR3154           | NOC3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR3155           | NOC3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR3156           | NOC3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR3157           | NOC3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3158           |                                                   |        |        | HR3157 (Lo-16bits)           |
| HR3159           | NOC3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3160           |                                                   |        |        | HR3159 (Lo-16bits)           |
| HR3161           | NOC3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3162           |                                                   |        |        | HR3161 (Lo-16bits)           |
| HR3163           | NOC3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3164           |                                                   |        |        | HR3163 (Lo-16bits)           |
| HR3165           | NOC3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3166           |                                                   |        |        | HR3165 (Lo-16bits)           |
| HR3167           | NOC3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3168           |                                                   |        |        | HR3167 (Lo-16bits)           |
| HR3169           | NOC3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3170           |                                                   |        |        | HR3169 (Lo-16bits)           |
| HR3171           | NOC3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3172           |                                                   |        |        | HR3171 (Lo-16bits)           |
| HR3173           | NOC3:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR3174           | NOC3:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                   |

| Holding Register | Parameter                                          | Access | Length | Info                         |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3175           | NOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                   |
| HR3176           | NOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                   |
| HR3177           | NOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                   |
| HR3178           | NOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                   |
| HR3179           | NOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                   |
| HR3180           | NOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                   |
| HR3181           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR3182           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR3183           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR3184           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR3185           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR3186           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR3187           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR3188           | NOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR3189           | NOC4:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3190           |                                                    |        |        | HR3189 (Lo-16bits)           |
| HR3191           | NOC4:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3192           |                                                    |        |        | HR3191 (Lo-16bits)           |
| HR3193           | NOC4:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3194           |                                                    |        |        | HR3193 (Lo-16bits)           |
| HR3195           | NOC4:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3196           |                                                    |        |        | HR3195 (Lo-16bits)           |
| HR3197           | NOC4:Pick-up setting lset                          | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3198           |                                              |        |        | HR3197 (Lo-16bits)           |
| HR3199           | NOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3200           |                                              |        |        | HR3199 (Lo-16bits)           |
| HR3201           | NOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3202           |                                              |        |        | HR3201 (Lo-16bits)           |
| HR3203           | NOC4:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3204           |                                              |        |        | HR3203 (Lo-16bits)           |
| HR3205           | NOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3206           | NOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3207           | NOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3208           | NOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3209           | NOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3210           | NOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3211           | NOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3212           | NOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3213           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3214           |                                              |        |        | HR3213 (Lo-16bits)           |
| HR3215           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3216           |                                              |        |        | HR3215 (Lo-16bits)           |
| HR3217           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3218           |                                              |        |        | HR3217 (Lo-16bits)           |
| HR3219           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3220           |                                              |        |        | HR3219 (Lo-16bits)           |
| HR3221           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3222           |                                              |        |        | HR3221 (Lo-16bits)           |
| HR3223           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3224           |                                              |        |        | HR3223 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR3225           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR3226           |                                              |        |        | HR3225 (Lo-16bits)                                                            |
| HR3227           | NOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR3228           |                                              |        |        | HR3227 (Lo-16bits)                                                            |
| HR3229           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3230           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3231           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3232           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3233           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3234           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3235           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3236           | NOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3237           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3238           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3239           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3240           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3241           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3242           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3243           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3244           | NOC4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3245           | NOC4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3246           | NOC4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3247           | NOC4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3248           | NOC4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3249           | NOC4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3250           | NOC4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |



| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR3251           | NOC4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3252           | NOC4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3253           | NOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3254           | NOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3255           | NOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3256           | NOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3257           | NOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3258           | NOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3259           | NOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3260           | NOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3261           | NOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR3262           |                                         |        |        | HR3261 (Lo-16bits)                                                            |
| HR3263           | NOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR3264           |                                         |        |        | HR3263 (Lo-16bits)                                                            |
| HR3265           | NOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR3266           |                                         |        |        | HR3265 (Lo-16bits)                                                            |
| HR3267           | NOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR3268           |                                         |        |        | HR3267 (Lo-16bits)                                                            |
| HR3269           | NOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR3270           |                                         |        |        | HR3269 (Lo-16bits)                                                            |
| HR3271           | NOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR3272           |                                         |        |        | HR3271 (Lo-16bits)                                                            |
| HR3273           | NOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR3274           |                                         |        |        | HR3273 (Lo-16bits)                                                            |
| HR3275           | NOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR3276           |                      |        |        | HR3275 (Lo-16bits)          |
| HR3277           | NOC4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3278           |                      |        |        | HR3277 (Lo-16bits)          |
| HR3279           | NOC4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3280           |                      |        |        | HR3279 (Lo-16bits)          |
| HR3281           | NOC4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3282           |                      |        |        | HR3281 (Lo-16bits)          |
| HR3283           | NOC4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3284           |                      |        |        | HR3283 (Lo-16bits)          |
| HR3285           | NOC4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3286           |                      |        |        | HR3285 (Lo-16bits)          |
| HR3287           | NOC4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3288           |                      |        |        | HR3287 (Lo-16bits)          |
| HR3289           | NOC4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3290           |                      |        |        | HR3289 (Lo-16bits)          |
| HR3291           | NOC4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3292           |                      |        |        | HR3291 (Lo-16bits)          |
| HR3293           | NOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3294           |                      |        |        | HR3293 (Lo-16bits)          |
| HR3295           | NOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3296           |                      |        |        | HR3295 (Lo-16bits)          |
| HR3297           | NOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3298           |                      |        |        | HR3297 (Lo-16bits)          |
| HR3299           | NOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3300           |                      |        |        | HR3299 (Lo-16bits)          |
| HR3301           | NOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3302           |                      |        |        | HR3301 (Lo-16bits)          |
| HR3303           | NOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3304           |                      |        |        | HR3303 (Lo-16bits)          |
| HR3305           | NOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3306           |                                                    |        |        | HR3305 (Lo-16bits)          |
| HR3307           | NOC4:IDMT constant B                               | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3308           |                                                    |        |        | HR3307 (Lo-16bits)          |
| HR3309           | NOC4:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3310           |                                                    |        |        | HR3309 (Lo-16bits)          |
| HR3311           | NOC4:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3312           |                                                    |        |        | HR3311 (Lo-16bits)          |
| HR3313           | NOC4:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3314           |                                                    |        |        | HR3313 (Lo-16bits)          |
| HR3315           | NOC4:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3316           |                                                    |        |        | HR3315 (Lo-16bits)          |
| HR3317           | NOC4:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3318           |                                                    |        |        | HR3317 (Lo-16bits)          |
| HR3319           | NOC4:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3320           |                                                    |        |        | HR3319 (Lo-16bits)          |
| HR3321           | NOC4:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3322           |                                                    |        |        | HR3321 (Lo-16bits)          |
| HR3323           | NOC4:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3324           |                                                    |        |        | HR3323 (Lo-16bits)          |
| HR3325           | NOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR3326           | NOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR3327           | NOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR3328           | NOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR3329           | NOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR3330           | NOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR3331           | NOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                         |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3332           | NOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3333           | NOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3334           |                                                    |        |        | HR3333 (Lo-16bits)           |
| HR3335           | NOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3336           |                                                    |        |        | HR3335 (Lo-16bits)           |
| HR3337           | NOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3338           |                                                    |        |        | HR3337 (Lo-16bits)           |
| HR3339           | NOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3340           |                                                    |        |        | HR3339 (Lo-16bits)           |
| HR3341           | NOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3342           |                                                    |        |        | HR3341 (Lo-16bits)           |
| HR3343           | NOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3344           |                                                    |        |        | HR3343 (Lo-16bits)           |
| HR3345           | NOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3346           |                                                    |        |        | HR3345 (Lo-16bits)           |
| HR3347           | NOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3348           |                                                    |        |        | HR3347 (Lo-16bits)           |
| HR3349           | NOC4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR3350           | NOC4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR3351           | NOC4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR3352           | NOC4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR3353           | NOC4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR3354           | NOC4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR3355           | NOC4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR3356           | NOC4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR3357           | NOC4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3358           |                                                    |        |        | HR3357 (Lo-16bits)          |
| HR3359           | NOC4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3360           |                                                    |        |        | HR3359 (Lo-16bits)          |
| HR3361           | NOC4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3362           |                                                    |        |        | HR3361 (Lo-16bits)          |
| HR3363           | NOC4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3364           |                                                    |        |        | HR3363 (Lo-16bits)          |
| HR3365           | NOC4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3366           |                                                    |        |        | HR3365 (Lo-16bits)          |
| HR3367           | NOC4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3368           |                                                    |        |        | HR3367 (Lo-16bits)          |
| HR3369           | NOC4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3370           |                                                    |        |        | HR3369 (Lo-16bits)          |
| HR3371           | NOC4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3372           |                                                    |        |        | HR3371 (Lo-16bits)          |
| HR3373           | NOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3374           | NOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3375           | NOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3376           | NOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3377           | NOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3378           | NOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3379           | NOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3380           | NOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3381           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3382           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3383           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3384           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3385           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3386           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3387           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3388           | NOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3389           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir      |
| HR3390           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir      |
| HR3391           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir      |
| HR3392           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir      |
| HR3393           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir      |
| HR3394           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir      |
| HR3395           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir      |
| HR3396           | DOC1:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir      |
| HR3397           | DOC1:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3398           |                                                    |        |        | HR3397 (Lo-16bits)          |
| HR3399           | DOC1:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3400           |                                                    |        |        | HR3399 (Lo-16bits)          |
| HR3401           | DOC1:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3402           |                                                    |        |        | HR3401 (Lo-16bits)          |
| HR3403           | DOC1:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3404           |                                                    |        |        | HR3403 (Lo-16bits)          |
| HR3405           | DOC1:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3406           |                                                    |        |        | HR3405 (Lo-16bits)          |
| HR3407           | DOC1:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |
| HR3408           |                                                    |        |        | HR3407 (Lo-16bits)          |
| HR3409           | DOC1:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits) |

| Holding Register | Parameter                        | Access | Length | Info                           |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3410           |                                  |        |        | HR3409 (Lo-16bits)             |
| HR3411           | DOC1:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3412           |                                  |        |        | HR3411 (Lo-16bits)             |
| HR3413           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3414           |                                  |        |        | HR3413 (Lo-16bits)             |
| HR3415           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3416           |                                  |        |        | HR3415 (Lo-16bits)             |
| HR3417           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3418           |                                  |        |        | HR3417 (Lo-16bits)             |
| HR3419           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3420           |                                  |        |        | HR3419 (Lo-16bits)             |
| HR3421           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3422           |                                  |        |        | HR3421 (Lo-16bits)             |
| HR3423           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3424           |                                  |        |        | HR3423 (Lo-16bits)             |
| HR3425           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3426           |                                  |        |        | HR3425 (Lo-16bits)             |
| HR3427           | DOC1:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3428           |                                  |        |        | HR3427 (Lo-16bits)             |
| HR3429           | DOC1:Pick-up setting lset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3430           |                                  |        |        | HR3429 (Lo-16bits)             |
| HR3431           | DOC1:Pick-up setting lset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3432           |                                  |        |        | HR3431 (Lo-16bits)             |
| HR3433           | DOC1:Pick-up setting lset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3434           |                                  |        |        | HR3433 (Lo-16bits)             |
| HR3435           | DOC1:Pick-up setting lset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3436           |                                  |        |        | HR3435 (Lo-16bits)             |
| HR3437           | DOC1:Pick-up setting lset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3438           |                                  |        |        | HR3437 (Lo-16bits)             |
| HR3439           | DOC1:Pick-up setting lset        | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3440           |                                              |        |        | HR3439 (Lo-16bits)           |
| HR3441           | DOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3442           |                                              |        |        | HR3441 (Lo-16bits)           |
| HR3443           | DOC1:Pick-up setting lset                    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits) |
| HR3444           |                                              |        |        | HR3443 (Lo-16bits)           |
| HR3445           | DOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3446           | DOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3447           | DOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3448           | DOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3449           | DOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3450           | DOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3451           | DOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3452           | DOC1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3453           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3454           |                                              |        |        | HR3453 (Lo-16bits)           |
| HR3455           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3456           |                                              |        |        | HR3455 (Lo-16bits)           |
| HR3457           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3458           |                                              |        |        | HR3457 (Lo-16bits)           |
| HR3459           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3460           |                                              |        |        | HR3459 (Lo-16bits)           |
| HR3461           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3462           |                                              |        |        | HR3461 (Lo-16bits)           |
| HR3463           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3464           |                                              |        |        | HR3463 (Lo-16bits)           |
| HR3465           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3466           |                                              |        |        | HR3465 (Lo-16bits)           |



| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR3467           | DOC1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR3468           |                                              |        |        | HR3467 (Lo-16bits)                                                            |
| HR3469           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3470           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3471           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3472           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3473           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3474           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3475           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3476           | DOC1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3477           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3478           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3479           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3480           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3481           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3482           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3483           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3484           | DOC1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3485           | DOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3486           | DOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3487           | DOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3488           | DOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3489           | DOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3490           | DOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3491           | DOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3492           | DOC1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |

| Holding Register | Parameter                               | Access | Length | Info                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------|
| HR3493           | DOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3494           | DOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3495           | DOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3496           | DOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3497           | DOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3498           | DOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3499           | DOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3500           | DOC1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3501           | DOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3502           |                                         |        |        | HR3501 (Lo-16bits)            |
| HR3503           | DOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3504           |                                         |        |        | HR3503 (Lo-16bits)            |
| HR3505           | DOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3506           |                                         |        |        | HR3505 (Lo-16bits)            |
| HR3507           | DOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3508           |                                         |        |        | HR3507 (Lo-16bits)            |
| HR3509           | DOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3510           |                                         |        |        | HR3509 (Lo-16bits)            |
| HR3511           | DOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3512           |                                         |        |        | HR3511 (Lo-16bits)            |
| HR3513           | DOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3514           |                                         |        |        | HR3513 (Lo-16bits)            |
| HR3515           | DOC1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3516           |                                         |        |        | HR3515 (Lo-16bits)            |
| HR3517           | DOC1:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3518           |                                         |        |        | HR3517 (Lo-16bits)            |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR3519           | DOC1:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3520           |                      |        |        | HR3519 (Lo-16bits)          |
| HR3521           | DOC1:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3522           |                      |        |        | HR3521 (Lo-16bits)          |
| HR3523           | DOC1:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3524           |                      |        |        | HR3523 (Lo-16bits)          |
| HR3525           | DOC1:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3526           |                      |        |        | HR3525 (Lo-16bits)          |
| HR3527           | DOC1:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3528           |                      |        |        | HR3527 (Lo-16bits)          |
| HR3529           | DOC1:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3530           |                      |        |        | HR3529 (Lo-16bits)          |
| HR3531           | DOC1:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3532           |                      |        |        | HR3531 (Lo-16bits)          |
| HR3533           | DOC1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3534           |                      |        |        | HR3533 (Lo-16bits)          |
| HR3535           | DOC1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3536           |                      |        |        | HR3535 (Lo-16bits)          |
| HR3537           | DOC1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3538           |                      |        |        | HR3537 (Lo-16bits)          |
| HR3539           | DOC1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3540           |                      |        |        | HR3539 (Lo-16bits)          |
| HR3541           | DOC1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3542           |                      |        |        | HR3541 (Lo-16bits)          |
| HR3543           | DOC1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3544           |                      |        |        | HR3543 (Lo-16bits)          |
| HR3545           | DOC1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3546           |                      |        |        | HR3545 (Lo-16bits)          |
| HR3547           | DOC1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3548           |                      |        |        | HR3547 (Lo-16bits)          |

| Holding Register | Parameter                                                                 | Access | Length | Info                         |
|------------------|---------------------------------------------------------------------------|--------|--------|------------------------------|
| HR3549           | DOC1:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3550           |                                                                           |        |        | HR3549 (Lo-16bits)           |
| HR3551           | DOC1:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3552           |                                                                           |        |        | HR3551 (Lo-16bits)           |
| HR3553           | DOC1:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3554           |                                                                           |        |        | HR3553 (Lo-16bits)           |
| HR3555           | DOC1:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3556           |                                                                           |        |        | HR3555 (Lo-16bits)           |
| HR3557           | DOC1:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3558           |                                                                           |        |        | HR3557 (Lo-16bits)           |
| HR3559           | DOC1:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3560           |                                                                           |        |        | HR3559 (Lo-16bits)           |
| HR3561           | DOC1:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3562           |                                                                           |        |        | HR3561 (Lo-16bits)           |
| HR3563           | DOC1:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3564           |                                                                           |        |        | HR3563 (Lo-16bits)           |
| HR3565           | DOC1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR3566           | DOC1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR3567           | DOC1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR3568           | DOC1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR3569           | DOC1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR3570           | DOC1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR3571           | DOC1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR3572           | DOC1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR3573           | DOC1:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3574           |                                                                           |        |        | HR3573 (Lo-16bits)           |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR3575           | DOC1:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3576           |                                                  |        |        | HR3575 (Lo-16bits)           |
| HR3577           | DOC1:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3578           |                                                  |        |        | HR3577 (Lo-16bits)           |
| HR3579           | DOC1:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3580           |                                                  |        |        | HR3579 (Lo-16bits)           |
| HR3581           | DOC1:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3582           |                                                  |        |        | HR3581 (Lo-16bits)           |
| HR3583           | DOC1:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3584           |                                                  |        |        | HR3583 (Lo-16bits)           |
| HR3585           | DOC1:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3586           |                                                  |        |        | HR3585 (Lo-16bits)           |
| HR3587           | DOC1:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3588           |                                                  |        |        | HR3587 (Lo-16bits)           |
| HR3589           | DOC1:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3590           | DOC1:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3591           | DOC1:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3592           | DOC1:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3593           | DOC1:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3594           | DOC1:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3595           | DOC1:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3596           | DOC1:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3597           | DOC1:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3598           |                                                  |        |        | HR3597 (Lo-16bits)           |
| HR3599           | DOC1:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3600           |                                                  |        |        | HR3599 (Lo-16bits)           |
| HR3601           | DOC1:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3602           |                                                    |        |        | HR3601 (Lo-16bits)          |
| HR3603           | DOC1:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3604           |                                                    |        |        | HR3603 (Lo-16bits)          |
| HR3605           | DOC1:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3606           |                                                    |        |        | HR3605 (Lo-16bits)          |
| HR3607           | DOC1:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3608           |                                                    |        |        | HR3607 (Lo-16bits)          |
| HR3609           | DOC1:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3610           |                                                    |        |        | HR3609 (Lo-16bits)          |
| HR3611           | DOC1:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3612           |                                                    |        |        | HR3611 (Lo-16bits)          |
| HR3613           | DOC1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3614           | DOC1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3615           | DOC1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3616           | DOC1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3617           | DOC1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3618           | DOC1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3619           | DOC1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3620           | DOC1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3621           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3622           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3623           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3624           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3625           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                           |
|------------------|----------------------------------------------------|--------|--------|--------------------------------|
| HR3626           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                     |
| HR3627           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                     |
| HR3628           | DOC1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                     |
| HR3629           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3630           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3631           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3632           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3633           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3634           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3635           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3636           | DOC2:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3637           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3638           |                                                    |        |        | HR3637 (Lo-16bits)             |
| HR3639           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3640           |                                                    |        |        | HR3639 (Lo-16bits)             |
| HR3641           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3642           |                                                    |        |        | HR3641 (Lo-16bits)             |
| HR3643           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3644           |                                                    |        |        | HR3643 (Lo-16bits)             |
| HR3645           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3646           |                                                    |        |        | HR3645 (Lo-16bits)             |
| HR3647           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3648           |                                                    |        |        | HR3647 (Lo-16bits)             |
| HR3649           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3650           |                                                    |        |        | HR3649 (Lo-16bits)             |
| HR3651           | DOC2:Operating sector size (+/-)                   | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3652           |                                                    |        |        | HR3651 (Lo-16bits)             |
| HR3653           | DOC2:Operating sector center                       | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3654           |                                                    |        |        | HR3653 (Lo-16bits)             |

| Holding Register | Parameter                    | Access | Length | Info                           |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR3655           | DOC2:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3656           |                              |        |        | HR3655 (Lo-16bits)             |
| HR3657           | DOC2:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3658           |                              |        |        | HR3657 (Lo-16bits)             |
| HR3659           | DOC2:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3660           |                              |        |        | HR3659 (Lo-16bits)             |
| HR3661           | DOC2:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3662           |                              |        |        | HR3661 (Lo-16bits)             |
| HR3663           | DOC2:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3664           |                              |        |        | HR3663 (Lo-16bits)             |
| HR3665           | DOC2:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3666           |                              |        |        | HR3665 (Lo-16bits)             |
| HR3667           | DOC2:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3668           |                              |        |        | HR3667 (Lo-16bits)             |
| HR3669           | DOC2:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3670           |                              |        |        | HR3669 (Lo-16bits)             |
| HR3671           | DOC2:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3672           |                              |        |        | HR3671 (Lo-16bits)             |
| HR3673           | DOC2:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3674           |                              |        |        | HR3673 (Lo-16bits)             |
| HR3675           | DOC2:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3676           |                              |        |        | HR3675 (Lo-16bits)             |
| HR3677           | DOC2:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3678           |                              |        |        | HR3677 (Lo-16bits)             |
| HR3679           | DOC2:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3680           |                              |        |        | HR3679 (Lo-16bits)             |
| HR3681           | DOC2:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3682           |                              |        |        | HR3681 (Lo-16bits)             |
| HR3683           | DOC2:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3684           |                              |        |        | HR3683 (Lo-16bits)             |



| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3685           | DOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3686           | DOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3687           | DOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3688           | DOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3689           | DOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3690           | DOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3691           | DOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3692           | DOC2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3693           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3694           |                                              |        |        | HR3693 (Lo-16bits)           |
| HR3695           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3696           |                                              |        |        | HR3695 (Lo-16bits)           |
| HR3697           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3698           |                                              |        |        | HR3697 (Lo-16bits)           |
| HR3699           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3700           |                                              |        |        | HR3699 (Lo-16bits)           |
| HR3701           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3702           |                                              |        |        | HR3701 (Lo-16bits)           |
| HR3703           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3704           |                                              |        |        | HR3703 (Lo-16bits)           |
| HR3705           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3706           |                                              |        |        | HR3705 (Lo-16bits)           |
| HR3707           | DOC2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3708           |                                              |        |        | HR3707 (Lo-16bits)           |
| HR3709           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3710           | DOC2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |

| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR3711           | DOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3712           | DOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3713           | DOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3714           | DOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3715           | DOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3716           | DOC2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3717           | DOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3718           | DOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3719           | DOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3720           | DOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3721           | DOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3722           | DOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3723           | DOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3724           | DOC2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3725           | DOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3726           | DOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3727           | DOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3728           | DOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3729           | DOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3730           | DOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3731           | DOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3732           | DOC2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3733           | DOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3734           | DOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3735           | DOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |

| Holding Register | Parameter                               | Access | Length | Info                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------|
| HR3736           | DOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3737           | DOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3738           | DOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3739           | DOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3740           | DOC2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3741           | DOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3742           |                                         |        |        | HR3741 (Lo-16bits)            |
| HR3743           | DOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3744           |                                         |        |        | HR3743 (Lo-16bits)            |
| HR3745           | DOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3746           |                                         |        |        | HR3745 (Lo-16bits)            |
| HR3747           | DOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3748           |                                         |        |        | HR3747 (Lo-16bits)            |
| HR3749           | DOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3750           |                                         |        |        | HR3749 (Lo-16bits)            |
| HR3751           | DOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3752           |                                         |        |        | HR3751 (Lo-16bits)            |
| HR3753           | DOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3754           |                                         |        |        | HR3753 (Lo-16bits)            |
| HR3755           | DOC2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3756           |                                         |        |        | HR3755 (Lo-16bits)            |
| HR3757           | DOC2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3758           |                                         |        |        | HR3757 (Lo-16bits)            |
| HR3759           | DOC2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3760           |                                         |        |        | HR3759 (Lo-16bits)            |
| HR3761           | DOC2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3762           |                                         |        |        | HR3761 (Lo-16bits)            |
| HR3763           | DOC2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR3764           |                      |        |        | HR3763 (Lo-16bits)          |
| HR3765           | DOC2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3766           |                      |        |        | HR3765 (Lo-16bits)          |
| HR3767           | DOC2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3768           |                      |        |        | HR3767 (Lo-16bits)          |
| HR3769           | DOC2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3770           |                      |        |        | HR3769 (Lo-16bits)          |
| HR3771           | DOC2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3772           |                      |        |        | HR3771 (Lo-16bits)          |
| HR3773           | DOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3774           |                      |        |        | HR3773 (Lo-16bits)          |
| HR3775           | DOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3776           |                      |        |        | HR3775 (Lo-16bits)          |
| HR3777           | DOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3778           |                      |        |        | HR3777 (Lo-16bits)          |
| HR3779           | DOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3780           |                      |        |        | HR3779 (Lo-16bits)          |
| HR3781           | DOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3782           |                      |        |        | HR3781 (Lo-16bits)          |
| HR3783           | DOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3784           |                      |        |        | HR3783 (Lo-16bits)          |
| HR3785           | DOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3786           |                      |        |        | HR3785 (Lo-16bits)          |
| HR3787           | DOC2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR3788           |                      |        |        | HR3787 (Lo-16bits)          |
| HR3789           | DOC2:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3790           |                      |        |        | HR3789 (Lo-16bits)          |
| HR3791           | DOC2:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR3792           |                      |        |        | HR3791 (Lo-16bits)          |
| HR3793           | DOC2:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length | Info                         |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR3794           |                                                    |        |        | HR3793 (Lo-16bits)           |
| HR3795           | DOC2:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3796           |                                                    |        |        | HR3795 (Lo-16bits)           |
| HR3797           | DOC2:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3798           |                                                    |        |        | HR3797 (Lo-16bits)           |
| HR3799           | DOC2:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3800           |                                                    |        |        | HR3799 (Lo-16bits)           |
| HR3801           | DOC2:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3802           |                                                    |        |        | HR3801 (Lo-16bits)           |
| HR3803           | DOC2:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR3804           |                                                    |        |        | HR3803 (Lo-16bits)           |
| HR3805           | DOC2:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3806           | DOC2:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3807           | DOC2:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3808           | DOC2:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3809           | DOC2:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3810           | DOC2:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3811           | DOC2:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3812           | DOC2:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR3813           | DOC2:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3814           |                                                    |        |        | HR3813 (Lo-16bits)           |
| HR3815           | DOC2:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3816           |                                                    |        |        | HR3815 (Lo-16bits)           |
| HR3817           | DOC2:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3818           |                                                    |        |        | HR3817 (Lo-16bits)           |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR3819           | DOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3820           |                                                  |        |        | HR3819 (Lo-16bits)           |
| HR3821           | DOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3822           |                                                  |        |        | HR3821 (Lo-16bits)           |
| HR3823           | DOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3824           |                                                  |        |        | HR3823 (Lo-16bits)           |
| HR3825           | DOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3826           |                                                  |        |        | HR3825 (Lo-16bits)           |
| HR3827           | DOC2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR3828           |                                                  |        |        | HR3827 (Lo-16bits)           |
| HR3829           | DOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3830           | DOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3831           | DOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3832           | DOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3833           | DOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3834           | DOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3835           | DOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3836           | DOC2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR3837           | DOC2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3838           |                                                  |        |        | HR3837 (Lo-16bits)           |
| HR3839           | DOC2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3840           |                                                  |        |        | HR3839 (Lo-16bits)           |
| HR3841           | DOC2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3842           |                                                  |        |        | HR3841 (Lo-16bits)           |
| HR3843           | DOC2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3844           |                                                  |        |        | HR3843 (Lo-16bits)           |
| HR3845           | DOC2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR3846           |                                                  |        |        | HR3845 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR3847           | DOC2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3848           |                                                    |        |        | HR3847 (Lo-16bits)          |
| HR3849           | DOC2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3850           |                                                    |        |        | HR3849 (Lo-16bits)          |
| HR3851           | DOC2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR3852           |                                                    |        |        | HR3851 (Lo-16bits)          |
| HR3853           | DOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3854           | DOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3855           | DOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3856           | DOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3857           | DOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3858           | DOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3859           | DOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3860           | DOC2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR3861           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3862           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3863           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3864           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3865           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3866           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3867           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR3868           | DOC2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                        | Access | Length | Info                           |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR3869           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3870           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3871           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3872           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3873           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3874           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3875           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3876           | DOC3:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR3877           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3878           |                                  |        |        | HR3877 (Lo-16bits)             |
| HR3879           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3880           |                                  |        |        | HR3879 (Lo-16bits)             |
| HR3881           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3882           |                                  |        |        | HR3881 (Lo-16bits)             |
| HR3883           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3884           |                                  |        |        | HR3883 (Lo-16bits)             |
| HR3885           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3886           |                                  |        |        | HR3885 (Lo-16bits)             |
| HR3887           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3888           |                                  |        |        | HR3887 (Lo-16bits)             |
| HR3889           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3890           |                                  |        |        | HR3889 (Lo-16bits)             |
| HR3891           | DOC3:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR3892           |                                  |        |        | HR3891 (Lo-16bits)             |
| HR3893           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3894           |                                  |        |        | HR3893 (Lo-16bits)             |
| HR3895           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3896           |                                  |        |        | HR3895 (Lo-16bits)             |
| HR3897           | DOC3:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3898           |                                  |        |        | HR3897 (Lo-16bits)             |



| Holding Register | Parameter                    | Access | Length | Info                           |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR3899           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3900           |                              |        |        | HR3899 (Lo-16bits)             |
| HR3901           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3902           |                              |        |        | HR3901 (Lo-16bits)             |
| HR3903           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3904           |                              |        |        | HR3903 (Lo-16bits)             |
| HR3905           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3906           |                              |        |        | HR3905 (Lo-16bits)             |
| HR3907           | DOC3:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR3908           |                              |        |        | HR3907 (Lo-16bits)             |
| HR3909           | DOC3:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3910           |                              |        |        | HR3909 (Lo-16bits)             |
| HR3911           | DOC3:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3912           |                              |        |        | HR3911 (Lo-16bits)             |
| HR3913           | DOC3:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3914           |                              |        |        | HR3913 (Lo-16bits)             |
| HR3915           | DOC3:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3916           |                              |        |        | HR3915 (Lo-16bits)             |
| HR3917           | DOC3:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3918           |                              |        |        | HR3917 (Lo-16bits)             |
| HR3919           | DOC3:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3920           |                              |        |        | HR3919 (Lo-16bits)             |
| HR3921           | DOC3:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3922           |                              |        |        | HR3921 (Lo-16bits)             |
| HR3923           | DOC3:Pick-up setting lset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR3924           |                              |        |        | HR3923 (Lo-16bits)             |
| HR3925           | DOC3:Delay type              | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR3926           | DOC3:Delay type              | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR3927           | DOC3:Delay type              | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR3928           | DOC3:Delay type              | R(W)   | 1      | 0=DT 1=IDMT                    |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR3929           | DOC3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3930           | DOC3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3931           | DOC3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3932           | DOC3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR3933           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3934           |                                              |        |        | HR3933 (Lo-16bits)           |
| HR3935           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3936           |                                              |        |        | HR3935 (Lo-16bits)           |
| HR3937           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3938           |                                              |        |        | HR3937 (Lo-16bits)           |
| HR3939           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3940           |                                              |        |        | HR3939 (Lo-16bits)           |
| HR3941           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3942           |                                              |        |        | HR3941 (Lo-16bits)           |
| HR3943           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3944           |                                              |        |        | HR3943 (Lo-16bits)           |
| HR3945           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3946           |                                              |        |        | HR3945 (Lo-16bits)           |
| HR3947           | DOC3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR3948           |                                              |        |        | HR3947 (Lo-16bits)           |
| HR3949           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3950           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3951           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3952           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3953           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR3954           | DOC3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |

| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR3955           | DOC3:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3956           | DOC3:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR3957           | DOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3958           | DOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3959           | DOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3960           | DOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3961           | DOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3962           | DOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3963           | DOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3964           | DOC3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR3965           | DOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3966           | DOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3967           | DOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3968           | DOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3969           | DOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3970           | DOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3971           | DOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3972           | DOC3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR3973           | DOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3974           | DOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3975           | DOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3976           | DOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR3977           | DOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |

| Holding Register | Parameter                               | Access | Length | Info                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------|
| HR3978           | DOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3979           | DOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3980           | DOC3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR3981           | DOC3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3982           |                                         |        |        | HR3981 (Lo-16bits)            |
| HR3983           | DOC3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3984           |                                         |        |        | HR3983 (Lo-16bits)            |
| HR3985           | DOC3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3986           |                                         |        |        | HR3985 (Lo-16bits)            |
| HR3987           | DOC3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3988           |                                         |        |        | HR3987 (Lo-16bits)            |
| HR3989           | DOC3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3990           |                                         |        |        | HR3989 (Lo-16bits)            |
| HR3991           | DOC3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3992           |                                         |        |        | HR3991 (Lo-16bits)            |
| HR3993           | DOC3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3994           |                                         |        |        | HR3993 (Lo-16bits)            |
| HR3995           | DOC3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR3996           |                                         |        |        | HR3995 (Lo-16bits)            |
| HR3997           | DOC3:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR3998           |                                         |        |        | HR3997 (Lo-16bits)            |
| HR3999           | DOC3:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4000           |                                         |        |        | HR3999 (Lo-16bits)            |
| HR4001           | DOC3:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4002           |                                         |        |        | HR4001 (Lo-16bits)            |
| HR4003           | DOC3:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4004           |                                         |        |        | HR4003 (Lo-16bits)            |
| HR4005           | DOC3:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4006           |                                         |        |        | HR4005 (Lo-16bits)            |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR4007           | DOC3:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4008           |                      |        |        | HR4007 (Lo-16bits)          |
| HR4009           | DOC3:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4010           |                      |        |        | HR4009 (Lo-16bits)          |
| HR4011           | DOC3:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4012           |                      |        |        | HR4011 (Lo-16bits)          |
| HR4013           | DOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4014           |                      |        |        | HR4013 (Lo-16bits)          |
| HR4015           | DOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4016           |                      |        |        | HR4015 (Lo-16bits)          |
| HR4017           | DOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4018           |                      |        |        | HR4017 (Lo-16bits)          |
| HR4019           | DOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4020           |                      |        |        | HR4019 (Lo-16bits)          |
| HR4021           | DOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4022           |                      |        |        | HR4021 (Lo-16bits)          |
| HR4023           | DOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4024           |                      |        |        | HR4023 (Lo-16bits)          |
| HR4025           | DOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4026           |                      |        |        | HR4025 (Lo-16bits)          |
| HR4027           | DOC3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4028           |                      |        |        | HR4027 (Lo-16bits)          |
| HR4029           | DOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4030           |                      |        |        | HR4029 (Lo-16bits)          |
| HR4031           | DOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4032           |                      |        |        | HR4031 (Lo-16bits)          |
| HR4033           | DOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4034           |                      |        |        | HR4033 (Lo-16bits)          |
| HR4035           | DOC3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4036           |                      |        |        | HR4035 (Lo-16bits)          |

| Holding Register | Parameter                                                                 | Access | Length | Info                         |
|------------------|---------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4037           | DOC3:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4038           |                                                                           |        |        | HR4037 (Lo-16bits)           |
| HR4039           | DOC3:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4040           |                                                                           |        |        | HR4039 (Lo-16bits)           |
| HR4041           | DOC3:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4042           |                                                                           |        |        | HR4041 (Lo-16bits)           |
| HR4043           | DOC3:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4044           |                                                                           |        |        | HR4043 (Lo-16bits)           |
| HR4045           | DOC3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4046           | DOC3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4047           | DOC3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4048           | DOC3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4049           | DOC3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4050           | DOC3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4051           | DOC3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4052           | DOC3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4053           | DOC3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4054           |                                                                           |        |        | HR4053 (Lo-16bits)           |
| HR4055           | DOC3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4056           |                                                                           |        |        | HR4055 (Lo-16bits)           |
| HR4057           | DOC3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4058           |                                                                           |        |        | HR4057 (Lo-16bits)           |
| HR4059           | DOC3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4060           |                                                                           |        |        | HR4059 (Lo-16bits)           |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR4061           | DOC3:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4062           |                                                  |        |        | HR4061 (Lo-16bits)           |
| HR4063           | DOC3:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4064           |                                                  |        |        | HR4063 (Lo-16bits)           |
| HR4065           | DOC3:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4066           |                                                  |        |        | HR4065 (Lo-16bits)           |
| HR4067           | DOC3:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4068           |                                                  |        |        | HR4067 (Lo-16bits)           |
| HR4069           | DOC3:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4070           | DOC3:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4071           | DOC3:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4072           | DOC3:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4073           | DOC3:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4074           | DOC3:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4075           | DOC3:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4076           | DOC3:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4077           | DOC3:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4078           |                                                  |        |        | HR4077 (Lo-16bits)           |
| HR4079           | DOC3:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4080           |                                                  |        |        | HR4079 (Lo-16bits)           |
| HR4081           | DOC3:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4082           |                                                  |        |        | HR4081 (Lo-16bits)           |
| HR4083           | DOC3:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4084           |                                                  |        |        | HR4083 (Lo-16bits)           |
| HR4085           | DOC3:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4086           |                                                  |        |        | HR4085 (Lo-16bits)           |
| HR4087           | DOC3:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4088           |                                                  |        |        | HR4087 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4089           | DOC3:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4090           |                                                    |        |        | HR4089 (Lo-16bits)          |
| HR4091           | DOC3:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4092           |                                                    |        |        | HR4091 (Lo-16bits)          |
| HR4093           | DOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4094           | DOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4095           | DOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4096           | DOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4097           | DOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4098           | DOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4099           | DOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4100           | DOC3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4101           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4102           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4103           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4104           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4105           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4106           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4107           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4108           | DOC3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4109           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir      |
| HR4110           | DOC4:Characteristic direction                      | R(W)   | 1      | 0=Directional 1=NonDir      |



| Holding Register | Parameter                        | Access | Length | Info                           |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR4111           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR4112           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR4113           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR4114           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR4115           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR4116           | DOC4:Characteristic direction    | R(W)   | 1      | 0=Directional 1=NonDir         |
| HR4117           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4118           |                                  |        |        | HR4117 (Lo-16bits)             |
| HR4119           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4120           |                                  |        |        | HR4119 (Lo-16bits)             |
| HR4121           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4122           |                                  |        |        | HR4121 (Lo-16bits)             |
| HR4123           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4124           |                                  |        |        | HR4123 (Lo-16bits)             |
| HR4125           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4126           |                                  |        |        | HR4125 (Lo-16bits)             |
| HR4127           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4128           |                                  |        |        | HR4127 (Lo-16bits)             |
| HR4129           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4130           |                                  |        |        | HR4129 (Lo-16bits)             |
| HR4131           | DOC4:Operating sector size (+/-) | R(W)   | 2      | FLOAT [1...170] (Hi-16bits)    |
| HR4132           |                                  |        |        | HR4131 (Lo-16bits)             |
| HR4133           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4134           |                                  |        |        | HR4133 (Lo-16bits)             |
| HR4135           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4136           |                                  |        |        | HR4135 (Lo-16bits)             |
| HR4137           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4138           |                                  |        |        | HR4137 (Lo-16bits)             |
| HR4139           | DOC4:Operating sector center     | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4140           |                                  |        |        | HR4139 (Lo-16bits)             |

| Holding Register | Parameter                    | Access | Length | Info                           |
|------------------|------------------------------|--------|--------|--------------------------------|
| HR4141           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4142           |                              |        |        | HR4141 (Lo-16bits)             |
| HR4143           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4144           |                              |        |        | HR4143 (Lo-16bits)             |
| HR4145           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4146           |                              |        |        | HR4145 (Lo-16bits)             |
| HR4147           | DOC4:Operating sector center | R(W)   | 2      | FLOAT [-180...180] (Hi-16bits) |
| HR4148           |                              |        |        | HR4147 (Lo-16bits)             |
| HR4149           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4150           |                              |        |        | HR4149 (Lo-16bits)             |
| HR4151           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4152           |                              |        |        | HR4151 (Lo-16bits)             |
| HR4153           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4154           |                              |        |        | HR4153 (Lo-16bits)             |
| HR4155           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4156           |                              |        |        | HR4155 (Lo-16bits)             |
| HR4157           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4158           |                              |        |        | HR4157 (Lo-16bits)             |
| HR4159           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4160           |                              |        |        | HR4159 (Lo-16bits)             |
| HR4161           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4162           |                              |        |        | HR4161 (Lo-16bits)             |
| HR4163           | DOC4:Pick-up setting Iset    | R(W)   | 2      | FLOAT [0.1...40] (Hi-16bits)   |
| HR4164           |                              |        |        | HR4163 (Lo-16bits)             |
| HR4165           | DOC4:Delay type              | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR4166           | DOC4:Delay type              | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR4167           | DOC4:Delay type              | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR4168           | DOC4:Delay type              | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR4169           | DOC4:Delay type              | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR4170           | DOC4:Delay type              | R(W)   | 1      | 0=DT 1=IDMT                    |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4171           | DOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR4172           | DOC4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR4173           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4174           |                                              |        |        | HR4173 (Lo-16bits)           |
| HR4175           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4176           |                                              |        |        | HR4175 (Lo-16bits)           |
| HR4177           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4178           |                                              |        |        | HR4177 (Lo-16bits)           |
| HR4179           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4180           |                                              |        |        | HR4179 (Lo-16bits)           |
| HR4181           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4182           |                                              |        |        | HR4181 (Lo-16bits)           |
| HR4183           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4184           |                                              |        |        | HR4183 (Lo-16bits)           |
| HR4185           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4186           |                                              |        |        | HR4185 (Lo-16bits)           |
| HR4187           | DOC4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4188           |                                              |        |        | HR4187 (Lo-16bits)           |
| HR4189           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4190           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4191           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4192           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4193           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4194           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4195           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4196           | DOC4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |

| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR4197           | DOC4:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4198           | DOC4:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4199           | DOC4:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4200           | DOC4:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4201           | DOC4:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4202           | DOC4:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4203           | DOC4:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4204           | DOC4:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4205           | DOC4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4206           | DOC4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4207           | DOC4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4208           | DOC4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4209           | DOC4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4210           | DOC4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4211           | DOC4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4212           | DOC4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4213           | DOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4214           | DOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4215           | DOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4216           | DOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4217           | DOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4218           | DOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4219           | DOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |

| Holding Register | Parameter                               | Access | Length | Info                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------|
| HR4220           | DOC4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR4221           | DOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4222           |                                         |        |        | HR4221 (Lo-16bits)            |
| HR4223           | DOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4224           |                                         |        |        | HR4223 (Lo-16bits)            |
| HR4225           | DOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4226           |                                         |        |        | HR4225 (Lo-16bits)            |
| HR4227           | DOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4228           |                                         |        |        | HR4227 (Lo-16bits)            |
| HR4229           | DOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4230           |                                         |        |        | HR4229 (Lo-16bits)            |
| HR4231           | DOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4232           |                                         |        |        | HR4231 (Lo-16bits)            |
| HR4233           | DOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4234           |                                         |        |        | HR4233 (Lo-16bits)            |
| HR4235           | DOC4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4236           |                                         |        |        | HR4235 (Lo-16bits)            |
| HR4237           | DOC4:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4238           |                                         |        |        | HR4237 (Lo-16bits)            |
| HR4239           | DOC4:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4240           |                                         |        |        | HR4239 (Lo-16bits)            |
| HR4241           | DOC4:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4242           |                                         |        |        | HR4241 (Lo-16bits)            |
| HR4243           | DOC4:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4244           |                                         |        |        | HR4243 (Lo-16bits)            |
| HR4245           | DOC4:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4246           |                                         |        |        | HR4245 (Lo-16bits)            |
| HR4247           | DOC4:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4248           |                                         |        |        | HR4247 (Lo-16bits)            |
| HR4249           | DOC4:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR4250           |                      |        |        | HR4249 (Lo-16bits)          |
| HR4251           | DOC4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4252           |                      |        |        | HR4251 (Lo-16bits)          |
| HR4253           | DOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4254           |                      |        |        | HR4253 (Lo-16bits)          |
| HR4255           | DOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4256           |                      |        |        | HR4255 (Lo-16bits)          |
| HR4257           | DOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4258           |                      |        |        | HR4257 (Lo-16bits)          |
| HR4259           | DOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4260           |                      |        |        | HR4259 (Lo-16bits)          |
| HR4261           | DOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4262           |                      |        |        | HR4261 (Lo-16bits)          |
| HR4263           | DOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4264           |                      |        |        | HR4263 (Lo-16bits)          |
| HR4265           | DOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4266           |                      |        |        | HR4265 (Lo-16bits)          |
| HR4267           | DOC4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4268           |                      |        |        | HR4267 (Lo-16bits)          |
| HR4269           | DOC4:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4270           |                      |        |        | HR4269 (Lo-16bits)          |
| HR4271           | DOC4:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4272           |                      |        |        | HR4271 (Lo-16bits)          |
| HR4273           | DOC4:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4274           |                      |        |        | HR4273 (Lo-16bits)          |
| HR4275           | DOC4:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4276           |                      |        |        | HR4275 (Lo-16bits)          |
| HR4277           | DOC4:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4278           |                      |        |        | HR4277 (Lo-16bits)          |
| HR4279           | DOC4:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |

| Holding Register | Parameter                                          | Access | Length | Info                         |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4280           |                                                    |        |        | HR4279 (Lo-16bits)           |
| HR4281           | DOC4:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4282           |                                                    |        |        | HR4281 (Lo-16bits)           |
| HR4283           | DOC4:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4284           |                                                    |        |        | HR4283 (Lo-16bits)           |
| HR4285           | DOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4286           | DOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4287           | DOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4288           | DOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4289           | DOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4290           | DOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4291           | DOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4292           | DOC4:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4293           | DOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4294           |                                                    |        |        | HR4293 (Lo-16bits)           |
| HR4295           | DOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4296           |                                                    |        |        | HR4295 (Lo-16bits)           |
| HR4297           | DOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4298           |                                                    |        |        | HR4297 (Lo-16bits)           |
| HR4299           | DOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4300           |                                                    |        |        | HR4299 (Lo-16bits)           |
| HR4301           | DOC4:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4302           |                                                    |        |        | HR4301 (Lo-16bits)           |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR4303           | DOC4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4304           |                                                  |        |        | HR4303 (Lo-16bits)           |
| HR4305           | DOC4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4306           |                                                  |        |        | HR4305 (Lo-16bits)           |
| HR4307           | DOC4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4308           |                                                  |        |        | HR4307 (Lo-16bits)           |
| HR4309           | DOC4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4310           | DOC4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4311           | DOC4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4312           | DOC4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4313           | DOC4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4314           | DOC4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4315           | DOC4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4316           | DOC4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4317           | DOC4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4318           |                                                  |        |        | HR4317 (Lo-16bits)           |
| HR4319           | DOC4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4320           |                                                  |        |        | HR4319 (Lo-16bits)           |
| HR4321           | DOC4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4322           |                                                  |        |        | HR4321 (Lo-16bits)           |
| HR4323           | DOC4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4324           |                                                  |        |        | HR4323 (Lo-16bits)           |
| HR4325           | DOC4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4326           |                                                  |        |        | HR4325 (Lo-16bits)           |
| HR4327           | DOC4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4328           |                                                  |        |        | HR4327 (Lo-16bits)           |
| HR4329           | DOC4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4330           |                                                  |        |        | HR4329 (Lo-16bits)           |
| HR4331           | DOC4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |



| Holding Register | Parameter                                          | Access | Length | Info                            |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4332           |                                                    |        |        | HR4331 (Lo-16bits)              |
| HR4333           | DOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4334           | DOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4335           | DOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4336           | DOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4337           | DOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4338           | DOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4339           | DOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4340           | DOC4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4341           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4342           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4343           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4344           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4345           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4346           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4347           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4348           | DOC4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4349           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4350           |                                                    |        |        | HR4349 (Lo-16bits)              |
| HR4351           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4352           |                                                    |        |        | HR4351 (Lo-16bits)              |
| HR4353           | NEF1:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length | Info                            |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4354           |                                              |        |        | HR4353 (Lo-16bits)              |
| HR4355           | NEF1:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4356           |                                              |        |        | HR4355 (Lo-16bits)              |
| HR4357           | NEF1:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4358           |                                              |        |        | HR4357 (Lo-16bits)              |
| HR4359           | NEF1:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4360           |                                              |        |        | HR4359 (Lo-16bits)              |
| HR4361           | NEF1:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4362           |                                              |        |        | HR4361 (Lo-16bits)              |
| HR4363           | NEF1:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4364           |                                              |        |        | HR4363 (Lo-16bits)              |
| HR4365           | NEF1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4366           | NEF1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4367           | NEF1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4368           | NEF1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4369           | NEF1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4370           | NEF1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4371           | NEF1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4372           | NEF1:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4373           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4374           |                                              |        |        | HR4373 (Lo-16bits)              |
| HR4375           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4376           |                                              |        |        | HR4375 (Lo-16bits)              |
| HR4377           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4378           |                                              |        |        | HR4377 (Lo-16bits)              |
| HR4379           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4380           |                                              |        |        | HR4379 (Lo-16bits)              |
| HR4381           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |

| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR4382           |                                              |        |        | HR4381 (Lo-16bits)                                                            |
| HR4383           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR4384           |                                              |        |        | HR4383 (Lo-16bits)                                                            |
| HR4385           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR4386           |                                              |        |        | HR4385 (Lo-16bits)                                                            |
| HR4387           | NEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR4388           |                                              |        |        | HR4387 (Lo-16bits)                                                            |
| HR4389           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4390           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4391           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4392           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4393           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4394           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4395           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4396           | NEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4397           | NEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4398           | NEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4399           | NEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4400           | NEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4401           | NEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4402           | NEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4403           | NEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4404           | NEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4405           | NEF1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4406           | NEF1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4407           | NEF1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4408           | NEF1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |

| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR4409           | NEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4410           | NEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4411           | NEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4412           | NEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4413           | NEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4414           | NEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4415           | NEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4416           | NEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4417           | NEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4418           | NEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4419           | NEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4420           | NEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4421           | NEF1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR4422           |                                         |        |        | HR4421 (Lo-16bits)                                                            |
| HR4423           | NEF1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR4424           |                                         |        |        | HR4423 (Lo-16bits)                                                            |
| HR4425           | NEF1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR4426           |                                         |        |        | HR4425 (Lo-16bits)                                                            |
| HR4427           | NEF1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR4428           |                                         |        |        | HR4427 (Lo-16bits)                                                            |
| HR4429           | NEF1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR4430           |                                         |        |        | HR4429 (Lo-16bits)                                                            |
| HR4431           | NEF1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR4432           |                                         |        |        | HR4431 (Lo-16bits)                                                            |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR4433           | NEF1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4434           |                          |        |        | HR4433 (Lo-16bits)            |
| HR4435           | NEF1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4436           |                          |        |        | HR4435 (Lo-16bits)            |
| HR4437           | NEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4438           |                          |        |        | HR4437 (Lo-16bits)            |
| HR4439           | NEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4440           |                          |        |        | HR4439 (Lo-16bits)            |
| HR4441           | NEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4442           |                          |        |        | HR4441 (Lo-16bits)            |
| HR4443           | NEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4444           |                          |        |        | HR4443 (Lo-16bits)            |
| HR4445           | NEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4446           |                          |        |        | HR4445 (Lo-16bits)            |
| HR4447           | NEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4448           |                          |        |        | HR4447 (Lo-16bits)            |
| HR4449           | NEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4450           |                          |        |        | HR4449 (Lo-16bits)            |
| HR4451           | NEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4452           |                          |        |        | HR4451 (Lo-16bits)            |
| HR4453           | NEF1:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR4454           |                          |        |        | HR4453 (Lo-16bits)            |
| HR4455           | NEF1:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR4456           |                          |        |        | HR4455 (Lo-16bits)            |
| HR4457           | NEF1:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR4458           |                          |        |        | HR4457 (Lo-16bits)            |
| HR4459           | NEF1:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR4460           |                          |        |        | HR4459 (Lo-16bits)            |
| HR4461           | NEF1:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR4462           |                          |        |        | HR4461 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4463           | NEF1:IDMT constant B                               | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4464           |                                                    |        |        | HR4463 (Lo-16bits)          |
| HR4465           | NEF1:IDMT constant B                               | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4466           |                                                    |        |        | HR4465 (Lo-16bits)          |
| HR4467           | NEF1:IDMT constant B                               | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4468           |                                                    |        |        | HR4467 (Lo-16bits)          |
| HR4469           | NEF1:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4470           |                                                    |        |        | HR4469 (Lo-16bits)          |
| HR4471           | NEF1:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4472           |                                                    |        |        | HR4471 (Lo-16bits)          |
| HR4473           | NEF1:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4474           |                                                    |        |        | HR4473 (Lo-16bits)          |
| HR4475           | NEF1:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4476           |                                                    |        |        | HR4475 (Lo-16bits)          |
| HR4477           | NEF1:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4478           |                                                    |        |        | HR4477 (Lo-16bits)          |
| HR4479           | NEF1:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4480           |                                                    |        |        | HR4479 (Lo-16bits)          |
| HR4481           | NEF1:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4482           |                                                    |        |        | HR4481 (Lo-16bits)          |
| HR4483           | NEF1:IDMT constant C                               | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4484           |                                                    |        |        | HR4483 (Lo-16bits)          |
| HR4485           | NEF1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR4486           | NEF1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR4487           | NEF1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR4488           | NEF1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |
| HR4489           | NEF1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                         |
|------------------|----------------------------------------------------|--------|--------|------------------------------|
| HR4490           | NEF1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4491           | NEF1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4492           | NEF1:Inrush harmonic blocking (Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                   |
| HR4493           | NEF1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4494           |                                                    |        |        | HR4493 (Lo-16bits)           |
| HR4495           | NEF1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4496           |                                                    |        |        | HR4495 (Lo-16bits)           |
| HR4497           | NEF1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4498           |                                                    |        |        | HR4497 (Lo-16bits)           |
| HR4499           | NEF1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4500           |                                                    |        |        | HR4499 (Lo-16bits)           |
| HR4501           | NEF1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4502           |                                                    |        |        | HR4501 (Lo-16bits)           |
| HR4503           | NEF1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4504           |                                                    |        |        | HR4503 (Lo-16bits)           |
| HR4505           | NEF1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4506           |                                                    |        |        | HR4505 (Lo-16bits)           |
| HR4507           | NEF1:2nd harmonic blocking limit (lharm / Ifund)   | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4508           |                                                    |        |        | HR4507 (Lo-16bits)           |
| HR4509           | NEF1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR4510           | NEF1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR4511           | NEF1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR4512           | NEF1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR4513           | NEF1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |
| HR4514           | NEF1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                   |

| Holding Register | Parameter                                         | Access | Length | Info                        |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR4515           | NEF1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR4516           | NEF1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR4517           | NEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4518           |                                                   |        |        | HR4517 (Lo-16bits)          |
| HR4519           | NEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4520           |                                                   |        |        | HR4519 (Lo-16bits)          |
| HR4521           | NEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4522           |                                                   |        |        | HR4521 (Lo-16bits)          |
| HR4523           | NEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4524           |                                                   |        |        | HR4523 (Lo-16bits)          |
| HR4525           | NEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4526           |                                                   |        |        | HR4525 (Lo-16bits)          |
| HR4527           | NEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4528           |                                                   |        |        | HR4527 (Lo-16bits)          |
| HR4529           | NEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4530           |                                                   |        |        | HR4529 (Lo-16bits)          |
| HR4531           | NEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4532           |                                                   |        |        | HR4531 (Lo-16bits)          |
| HR4533           | NEF1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4534           | NEF1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4535           | NEF1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4536           | NEF1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4537           | NEF1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4538           | NEF1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4539           | NEF1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4540           | NEF1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |



| Holding Register | Parameter                                          | Access | Length | Info                            |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4541           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4542           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4543           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4544           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4545           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4546           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4547           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4548           | NEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4549           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4550           |                                                    |        |        | HR4549 (Lo-16bits)              |
| HR4551           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4552           |                                                    |        |        | HR4551 (Lo-16bits)              |
| HR4553           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4554           |                                                    |        |        | HR4553 (Lo-16bits)              |
| HR4555           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4556           |                                                    |        |        | HR4555 (Lo-16bits)              |
| HR4557           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4558           |                                                    |        |        | HR4557 (Lo-16bits)              |
| HR4559           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4560           |                                                    |        |        | HR4559 (Lo-16bits)              |
| HR4561           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4562           |                                                    |        |        | HR4561 (Lo-16bits)              |
| HR4563           | NEF2:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4564           |                                                    |        |        | HR4563 (Lo-16bits)              |
| HR4565           | NEF2:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4566           | NEF2:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                     |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4567           | NEF2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR4568           | NEF2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR4569           | NEF2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR4570           | NEF2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR4571           | NEF2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR4572           | NEF2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR4573           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4574           |                                              |        |        | HR4573 (Lo-16bits)           |
| HR4575           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4576           |                                              |        |        | HR4575 (Lo-16bits)           |
| HR4577           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4578           |                                              |        |        | HR4577 (Lo-16bits)           |
| HR4579           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4580           |                                              |        |        | HR4579 (Lo-16bits)           |
| HR4581           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4582           |                                              |        |        | HR4581 (Lo-16bits)           |
| HR4583           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4584           |                                              |        |        | HR4583 (Lo-16bits)           |
| HR4585           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4586           |                                              |        |        | HR4585 (Lo-16bits)           |
| HR4587           | NEF2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4588           |                                              |        |        | HR4587 (Lo-16bits)           |
| HR4589           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4590           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4591           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4592           | NEF2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |

| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR4593           | NEF2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4594           | NEF2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4595           | NEF2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4596           | NEF2:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4597           | NEF2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4598           | NEF2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4599           | NEF2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4600           | NEF2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4601           | NEF2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4602           | NEF2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4603           | NEF2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4604           | NEF2:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4605           | NEF2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4606           | NEF2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4607           | NEF2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4608           | NEF2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4609           | NEF2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4610           | NEF2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4611           | NEF2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4612           | NEF2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4613           | NEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4614           | NEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4615           | NEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4616           | NEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |

| Holding Register | Parameter                               | Access | Length | Info                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------|
| HR4617           | NEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR4618           | NEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR4619           | NEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR4620           | NEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR4621           | NEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4622           |                                         |        |        | HR4621 (Lo-16bits)            |
| HR4623           | NEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4624           |                                         |        |        | HR4623 (Lo-16bits)            |
| HR4625           | NEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4626           |                                         |        |        | HR4625 (Lo-16bits)            |
| HR4627           | NEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4628           |                                         |        |        | HR4627 (Lo-16bits)            |
| HR4629           | NEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4630           |                                         |        |        | HR4629 (Lo-16bits)            |
| HR4631           | NEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4632           |                                         |        |        | HR4631 (Lo-16bits)            |
| HR4633           | NEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4634           |                                         |        |        | HR4633 (Lo-16bits)            |
| HR4635           | NEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4636           |                                         |        |        | HR4635 (Lo-16bits)            |
| HR4637           | NEF2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4638           |                                         |        |        | HR4637 (Lo-16bits)            |
| HR4639           | NEF2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4640           |                                         |        |        | HR4639 (Lo-16bits)            |
| HR4641           | NEF2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4642           |                                         |        |        | HR4641 (Lo-16bits)            |
| HR4643           | NEF2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4644           |                                         |        |        | HR4643 (Lo-16bits)            |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR4645           | NEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4646           |                      |        |        | HR4645 (Lo-16bits)          |
| HR4647           | NEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4648           |                      |        |        | HR4647 (Lo-16bits)          |
| HR4649           | NEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4650           |                      |        |        | HR4649 (Lo-16bits)          |
| HR4651           | NEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4652           |                      |        |        | HR4651 (Lo-16bits)          |
| HR4653           | NEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4654           |                      |        |        | HR4653 (Lo-16bits)          |
| HR4655           | NEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4656           |                      |        |        | HR4655 (Lo-16bits)          |
| HR4657           | NEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4658           |                      |        |        | HR4657 (Lo-16bits)          |
| HR4659           | NEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4660           |                      |        |        | HR4659 (Lo-16bits)          |
| HR4661           | NEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4662           |                      |        |        | HR4661 (Lo-16bits)          |
| HR4663           | NEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4664           |                      |        |        | HR4663 (Lo-16bits)          |
| HR4665           | NEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4666           |                      |        |        | HR4665 (Lo-16bits)          |
| HR4667           | NEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4668           |                      |        |        | HR4667 (Lo-16bits)          |
| HR4669           | NEF2:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4670           |                      |        |        | HR4669 (Lo-16bits)          |
| HR4671           | NEF2:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4672           |                      |        |        | HR4671 (Lo-16bits)          |
| HR4673           | NEF2:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4674           |                      |        |        | HR4673 (Lo-16bits)          |

| Holding Register | Parameter                                                                 | Access | Length | Info                         |
|------------------|---------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4675           | NEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4676           |                                                                           |        |        | HR4675 (Lo-16bits)           |
| HR4677           | NEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4678           |                                                                           |        |        | HR4677 (Lo-16bits)           |
| HR4679           | NEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4680           |                                                                           |        |        | HR4679 (Lo-16bits)           |
| HR4681           | NEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4682           |                                                                           |        |        | HR4681 (Lo-16bits)           |
| HR4683           | NEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR4684           |                                                                           |        |        | HR4683 (Lo-16bits)           |
| HR4685           | NEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4686           | NEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4687           | NEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4688           | NEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4689           | NEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4690           | NEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4691           | NEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4692           | NEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4693           | NEF2:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4694           |                                                                           |        |        | HR4693 (Lo-16bits)           |
| HR4695           | NEF2:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4696           |                                                                           |        |        | HR4695 (Lo-16bits)           |
| HR4697           | NEF2:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4698           |                                                                           |        |        | HR4697 (Lo-16bits)           |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR4699           | NEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4700           |                                                  |        |        | HR4699 (Lo-16bits)           |
| HR4701           | NEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4702           |                                                  |        |        | HR4701 (Lo-16bits)           |
| HR4703           | NEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4704           |                                                  |        |        | HR4703 (Lo-16bits)           |
| HR4705           | NEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4706           |                                                  |        |        | HR4705 (Lo-16bits)           |
| HR4707           | NEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4708           |                                                  |        |        | HR4707 (Lo-16bits)           |
| HR4709           | NEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4710           | NEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4711           | NEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4712           | NEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4713           | NEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4714           | NEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4715           | NEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4716           | NEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR4717           | NEF2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4718           |                                                  |        |        | HR4717 (Lo-16bits)           |
| HR4719           | NEF2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4720           |                                                  |        |        | HR4719 (Lo-16bits)           |
| HR4721           | NEF2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4722           |                                                  |        |        | HR4721 (Lo-16bits)           |
| HR4723           | NEF2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4724           |                                                  |        |        | HR4723 (Lo-16bits)           |
| HR4725           | NEF2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR4726           |                                                  |        |        | HR4725 (Lo-16bits)           |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR4727           | NEF2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4728           |                                                    |        |        | HR4727 (Lo-16bits)          |
| HR4729           | NEF2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4730           |                                                    |        |        | HR4729 (Lo-16bits)          |
| HR4731           | NEF2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4732           |                                                    |        |        | HR4731 (Lo-16bits)          |
| HR4733           | NEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4734           | NEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4735           | NEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4736           | NEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4737           | NEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4738           | NEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4739           | NEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4740           | NEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR4741           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4742           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4743           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4744           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4745           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4746           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4747           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4748           | NEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |



| Holding Register | Parameter                                    | Access | Length | Info                            |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4749           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4750           |                                              |        |        | HR4749 (Lo-16bits)              |
| HR4751           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4752           |                                              |        |        | HR4751 (Lo-16bits)              |
| HR4753           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4754           |                                              |        |        | HR4753 (Lo-16bits)              |
| HR4755           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4756           |                                              |        |        | HR4755 (Lo-16bits)              |
| HR4757           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4758           |                                              |        |        | HR4757 (Lo-16bits)              |
| HR4759           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4760           |                                              |        |        | HR4759 (Lo-16bits)              |
| HR4761           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4762           |                                              |        |        | HR4761 (Lo-16bits)              |
| HR4763           | NEF3:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4764           |                                              |        |        | HR4763 (Lo-16bits)              |
| HR4765           | NEF3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4766           | NEF3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4767           | NEF3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4768           | NEF3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4769           | NEF3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4770           | NEF3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4771           | NEF3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4772           | NEF3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4773           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4774           |                                              |        |        | HR4773 (Lo-16bits)              |
| HR4775           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4776           |                                              |        |        | HR4775 (Lo-16bits)              |
| HR4777           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR4778           |                                              |        |        | HR4777 (Lo-16bits)           |
| HR4779           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4780           |                                              |        |        | HR4779 (Lo-16bits)           |
| HR4781           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4782           |                                              |        |        | HR4781 (Lo-16bits)           |
| HR4783           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4784           |                                              |        |        | HR4783 (Lo-16bits)           |
| HR4785           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4786           |                                              |        |        | HR4785 (Lo-16bits)           |
| HR4787           | NEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR4788           |                                              |        |        | HR4787 (Lo-16bits)           |
| HR4789           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4790           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4791           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4792           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4793           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4794           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4795           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4796           | NEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR4797           | NEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR4798           | NEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR4799           | NEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR4800           | NEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR4801           | NEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR4802           | NEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR4803           | NEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR4804           | NEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |

| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR4805           | NEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4806           | NEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4807           | NEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4808           | NEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4809           | NEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4810           | NEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4811           | NEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4812           | NEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR4813           | NEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4814           | NEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4815           | NEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4816           | NEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4817           | NEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4818           | NEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4819           | NEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4820           | NEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                           |
| HR4821           | NEF3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR4822           |                                         |        |        | HR4821 (Lo-16bits)                                                            |
| HR4823           | NEF3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR4824           |                                         |        |        | HR4823 (Lo-16bits)                                                            |
| HR4825           | NEF3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR4826           |                                         |        |        | HR4825 (Lo-16bits)                                                            |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR4827           | NEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4828           |                          |        |        | HR4827 (Lo-16bits)            |
| HR4829           | NEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4830           |                          |        |        | HR4829 (Lo-16bits)            |
| HR4831           | NEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4832           |                          |        |        | HR4831 (Lo-16bits)            |
| HR4833           | NEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4834           |                          |        |        | HR4833 (Lo-16bits)            |
| HR4835           | NEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR4836           |                          |        |        | HR4835 (Lo-16bits)            |
| HR4837           | NEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4838           |                          |        |        | HR4837 (Lo-16bits)            |
| HR4839           | NEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4840           |                          |        |        | HR4839 (Lo-16bits)            |
| HR4841           | NEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4842           |                          |        |        | HR4841 (Lo-16bits)            |
| HR4843           | NEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4844           |                          |        |        | HR4843 (Lo-16bits)            |
| HR4845           | NEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4846           |                          |        |        | HR4845 (Lo-16bits)            |
| HR4847           | NEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4848           |                          |        |        | HR4847 (Lo-16bits)            |
| HR4849           | NEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4850           |                          |        |        | HR4849 (Lo-16bits)            |
| HR4851           | NEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR4852           |                          |        |        | HR4851 (Lo-16bits)            |
| HR4853           | NEF3:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR4854           |                          |        |        | HR4853 (Lo-16bits)            |
| HR4855           | NEF3:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR4856           |                          |        |        | HR4855 (Lo-16bits)            |

| Holding Register | Parameter                                             | Access | Length | Info                        |
|------------------|-------------------------------------------------------|--------|--------|-----------------------------|
| HR4857           | NEF3:IDMT constant B                                  | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4858           |                                                       |        |        | HR4857 (Lo-16bits)          |
| HR4859           | NEF3:IDMT constant B                                  | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4860           |                                                       |        |        | HR4859 (Lo-16bits)          |
| HR4861           | NEF3:IDMT constant B                                  | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4862           |                                                       |        |        | HR4861 (Lo-16bits)          |
| HR4863           | NEF3:IDMT constant B                                  | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4864           |                                                       |        |        | HR4863 (Lo-16bits)          |
| HR4865           | NEF3:IDMT constant B                                  | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4866           |                                                       |        |        | HR4865 (Lo-16bits)          |
| HR4867           | NEF3:IDMT constant B                                  | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR4868           |                                                       |        |        | HR4867 (Lo-16bits)          |
| HR4869           | NEF3:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4870           |                                                       |        |        | HR4869 (Lo-16bits)          |
| HR4871           | NEF3:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4872           |                                                       |        |        | HR4871 (Lo-16bits)          |
| HR4873           | NEF3:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4874           |                                                       |        |        | HR4873 (Lo-16bits)          |
| HR4875           | NEF3:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4876           |                                                       |        |        | HR4875 (Lo-16bits)          |
| HR4877           | NEF3:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4878           |                                                       |        |        | HR4877 (Lo-16bits)          |
| HR4879           | NEF3:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4880           |                                                       |        |        | HR4879 (Lo-16bits)          |
| HR4881           | NEF3:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4882           |                                                       |        |        | HR4881 (Lo-16bits)          |
| HR4883           | NEF3:IDMT constant C                                  | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR4884           |                                                       |        |        | HR4883 (Lo-16bits)          |
| HR4885           | NEF3:Inrush harmonic blocking<br>(Internal Only Trip) | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                                                 | Access | Length | Info                         |
|------------------|---------------------------------------------------------------------------|--------|--------|------------------------------|
| HR4886           | NEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4887           | NEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4888           | NEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4889           | NEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4890           | NEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4891           | NEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4892           | NEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR4893           | NEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4894           |                                                                           |        |        | HR4893 (Lo-16bits)           |
| HR4895           | NEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4896           |                                                                           |        |        | HR4895 (Lo-16bits)           |
| HR4897           | NEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4898           |                                                                           |        |        | HR4897 (Lo-16bits)           |
| HR4899           | NEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4900           |                                                                           |        |        | HR4899 (Lo-16bits)           |
| HR4901           | NEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4902           |                                                                           |        |        | HR4901 (Lo-16bits)           |
| HR4903           | NEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4904           |                                                                           |        |        | HR4903 (Lo-16bits)           |
| HR4905           | NEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4906           |                                                                           |        |        | HR4905 (Lo-16bits)           |
| HR4907           | NEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR4908           |                                                                           |        |        | HR4907 (Lo-16bits)           |

| Holding Register | Parameter                                         | Access | Length | Info                        |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR4909           | NEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR4910           | NEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR4911           | NEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR4912           | NEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR4913           | NEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR4914           | NEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR4915           | NEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR4916           | NEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR4917           | NEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4918           |                                                   |        |        | HR4917 (Lo-16bits)          |
| HR4919           | NEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4920           |                                                   |        |        | HR4919 (Lo-16bits)          |
| HR4921           | NEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4922           |                                                   |        |        | HR4921 (Lo-16bits)          |
| HR4923           | NEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4924           |                                                   |        |        | HR4923 (Lo-16bits)          |
| HR4925           | NEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4926           |                                                   |        |        | HR4925 (Lo-16bits)          |
| HR4927           | NEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4928           |                                                   |        |        | HR4927 (Lo-16bits)          |
| HR4929           | NEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4930           |                                                   |        |        | HR4929 (Lo-16bits)          |
| HR4931           | NEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR4932           |                                                   |        |        | HR4931 (Lo-16bits)          |
| HR4933           | NEF3:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4934           | NEF3:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4935           | NEF3:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR4936           | NEF3:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                            |
|------------------|----------------------------------------------------|--------|--------|---------------------------------|
| HR4937           | NEF3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4938           | NEF3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4939           | NEF3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4940           | NEF3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                      |
| HR4941           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4942           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4943           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4944           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4945           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4946           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4947           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4948           | NEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                      |
| HR4949           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4950           |                                                    |        |        | HR4949 (Lo-16bits)              |
| HR4951           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4952           |                                                    |        |        | HR4951 (Lo-16bits)              |
| HR4953           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4954           |                                                    |        |        | HR4953 (Lo-16bits)              |
| HR4955           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4956           |                                                    |        |        | HR4955 (Lo-16bits)              |
| HR4957           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4958           |                                                    |        |        | HR4957 (Lo-16bits)              |
| HR4959           | NEF4:Pick-up setting I0set                         | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4960           |                                                    |        |        | HR4959 (Lo-16bits)              |



| Holding Register | Parameter                                    | Access | Length | Info                            |
|------------------|----------------------------------------------|--------|--------|---------------------------------|
| HR4961           | NEF4:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4962           |                                              |        |        | HR4961 (Lo-16bits)              |
| HR4963           | NEF4:Pick-up setting I0set                   | R(W)   | 2      | FLOAT [0.0001...40] (Hi-16bits) |
| HR4964           |                                              |        |        | HR4963 (Lo-16bits)              |
| HR4965           | NEF4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4966           | NEF4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4967           | NEF4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4968           | NEF4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4969           | NEF4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4970           | NEF4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4971           | NEF4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4972           | NEF4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                     |
| HR4973           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4974           |                                              |        |        | HR4973 (Lo-16bits)              |
| HR4975           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4976           |                                              |        |        | HR4975 (Lo-16bits)              |
| HR4977           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4978           |                                              |        |        | HR4977 (Lo-16bits)              |
| HR4979           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4980           |                                              |        |        | HR4979 (Lo-16bits)              |
| HR4981           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4982           |                                              |        |        | HR4981 (Lo-16bits)              |
| HR4983           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4984           |                                              |        |        | HR4983 (Lo-16bits)              |
| HR4985           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)    |
| HR4986           |                                              |        |        | HR4985 (Lo-16bits)              |

| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR4987           | NEF4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR4988           |                                              |        |        | HR4987 (Lo-16bits)                                                            |
| HR4989           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4990           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4991           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4992           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4993           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4994           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4995           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4996           | NEF4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR4997           | NEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4998           | NEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR4999           | NEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR5000           | NEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR5001           | NEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR5002           | NEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR5003           | NEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR5004           | NEF4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR5005           | NEF4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5006           | NEF4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5007           | NEF4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5008           | NEF4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5009           | NEF4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5010           | NEF4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5011           | NEF4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5012           | NEF4:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |

| Holding Register | Parameter                               | Access | Length | Info                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------|
| HR5013           | NEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5014           | NEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5015           | NEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5016           | NEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5017           | NEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5018           | NEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5019           | NEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5020           | NEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5021           | NEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5022           |                                         |        |        | HR5021 (Lo-16bits)            |
| HR5023           | NEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5024           |                                         |        |        | HR5023 (Lo-16bits)            |
| HR5025           | NEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5026           |                                         |        |        | HR5025 (Lo-16bits)            |
| HR5027           | NEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5028           |                                         |        |        | HR5027 (Lo-16bits)            |
| HR5029           | NEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5030           |                                         |        |        | HR5029 (Lo-16bits)            |
| HR5031           | NEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5032           |                                         |        |        | HR5031 (Lo-16bits)            |
| HR5033           | NEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5034           |                                         |        |        | HR5033 (Lo-16bits)            |
| HR5035           | NEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5036           |                                         |        |        | HR5035 (Lo-16bits)            |
| HR5037           | NEF4:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5038           |                                         |        |        | HR5037 (Lo-16bits)            |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR5039           | NEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5040           |                      |        |        | HR5039 (Lo-16bits)          |
| HR5041           | NEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5042           |                      |        |        | HR5041 (Lo-16bits)          |
| HR5043           | NEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5044           |                      |        |        | HR5043 (Lo-16bits)          |
| HR5045           | NEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5046           |                      |        |        | HR5045 (Lo-16bits)          |
| HR5047           | NEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5048           |                      |        |        | HR5047 (Lo-16bits)          |
| HR5049           | NEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5050           |                      |        |        | HR5049 (Lo-16bits)          |
| HR5051           | NEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5052           |                      |        |        | HR5051 (Lo-16bits)          |
| HR5053           | NEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR5054           |                      |        |        | HR5053 (Lo-16bits)          |
| HR5055           | NEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR5056           |                      |        |        | HR5055 (Lo-16bits)          |
| HR5057           | NEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR5058           |                      |        |        | HR5057 (Lo-16bits)          |
| HR5059           | NEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR5060           |                      |        |        | HR5059 (Lo-16bits)          |
| HR5061           | NEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR5062           |                      |        |        | HR5061 (Lo-16bits)          |
| HR5063           | NEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR5064           |                      |        |        | HR5063 (Lo-16bits)          |
| HR5065           | NEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR5066           |                      |        |        | HR5065 (Lo-16bits)          |
| HR5067           | NEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR5068           |                      |        |        | HR5067 (Lo-16bits)          |

| Holding Register | Parameter                                                                 | Access | Length | Info                         |
|------------------|---------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5069           | NEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5070           |                                                                           |        |        | HR5069 (Lo-16bits)           |
| HR5071           | NEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5072           |                                                                           |        |        | HR5071 (Lo-16bits)           |
| HR5073           | NEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5074           |                                                                           |        |        | HR5073 (Lo-16bits)           |
| HR5075           | NEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5076           |                                                                           |        |        | HR5075 (Lo-16bits)           |
| HR5077           | NEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5078           |                                                                           |        |        | HR5077 (Lo-16bits)           |
| HR5079           | NEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5080           |                                                                           |        |        | HR5079 (Lo-16bits)           |
| HR5081           | NEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5082           |                                                                           |        |        | HR5081 (Lo-16bits)           |
| HR5083           | NEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5084           |                                                                           |        |        | HR5083 (Lo-16bits)           |
| HR5085           | NEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5086           | NEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5087           | NEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5088           | NEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5089           | NEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5090           | NEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5091           | NEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5092           | NEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5093           | NEF4:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5094           |                                                                           |        |        | HR5093 (Lo-16bits)           |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR5095           | NEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5096           |                                                  |        |        | HR5095 (Lo-16bits)           |
| HR5097           | NEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5098           |                                                  |        |        | HR5097 (Lo-16bits)           |
| HR5099           | NEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5100           |                                                  |        |        | HR5099 (Lo-16bits)           |
| HR5101           | NEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5102           |                                                  |        |        | HR5101 (Lo-16bits)           |
| HR5103           | NEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5104           |                                                  |        |        | HR5103 (Lo-16bits)           |
| HR5105           | NEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5106           |                                                  |        |        | HR5105 (Lo-16bits)           |
| HR5107           | NEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5108           |                                                  |        |        | HR5107 (Lo-16bits)           |
| HR5109           | NEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5110           | NEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5111           | NEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5112           | NEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5113           | NEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5114           | NEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5115           | NEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5116           | NEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5117           | NEF4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5118           |                                                  |        |        | HR5117 (Lo-16bits)           |
| HR5119           | NEF4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5120           |                                                  |        |        | HR5119 (Lo-16bits)           |
| HR5121           | NEF4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5122           |                                                    |        |        | HR5121 (Lo-16bits)          |
| HR5123           | NEF4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5124           |                                                    |        |        | HR5123 (Lo-16bits)          |
| HR5125           | NEF4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5126           |                                                    |        |        | HR5125 (Lo-16bits)          |
| HR5127           | NEF4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5128           |                                                    |        |        | HR5127 (Lo-16bits)          |
| HR5129           | NEF4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5130           |                                                    |        |        | HR5129 (Lo-16bits)          |
| HR5131           | NEF4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5132           |                                                    |        |        | HR5131 (Lo-16bits)          |
| HR5133           | NEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5134           | NEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5135           | NEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5136           | NEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5137           | NEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5138           | NEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5139           | NEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5140           | NEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5141           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR5142           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR5143           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR5144           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR5145           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                                                                                                                   |
|------------------|----------------------------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------------------|
| HR5146           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5147           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5148           | NEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5149           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5150           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5151           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5152           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5153           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5154           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5155           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5156           | DEF1:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5157           | DEF1:Pick-up setting I0set>                        | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5158           |                                                    |        |        | HR5157 (Lo-16bits)                                                                                                     |
| HR5159           | DEF1:Pick-up setting I0set>                        | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5160           |                                                    |        |        | HR5159 (Lo-16bits)                                                                                                     |
| HR5161           | DEF1:Pick-up setting I0set>                        | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5162           |                                                    |        |        | HR5161 (Lo-16bits)                                                                                                     |



| Holding Register | Parameter                                   | Access | Length | Info                           |
|------------------|---------------------------------------------|--------|--------|--------------------------------|
| HR5163           | DEF1:Pick-up setting I0set>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5164           |                                             |        |        | HR5163 (Lo-16bits)             |
| HR5165           | DEF1:Pick-up setting I0set>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5166           |                                             |        |        | HR5165 (Lo-16bits)             |
| HR5167           | DEF1:Pick-up setting I0set>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5168           |                                             |        |        | HR5167 (Lo-16bits)             |
| HR5169           | DEF1:Pick-up setting I0set>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5170           |                                             |        |        | HR5169 (Lo-16bits)             |
| HR5171           | DEF1:Pick-up setting I0set>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5172           |                                             |        |        | HR5171 (Lo-16bits)             |
| HR5173           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5174           |                                             |        |        | HR5173 (Lo-16bits)             |
| HR5175           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5176           |                                             |        |        | HR5175 (Lo-16bits)             |
| HR5177           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5178           |                                             |        |        | HR5177 (Lo-16bits)             |
| HR5179           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5180           |                                             |        |        | HR5179 (Lo-16bits)             |
| HR5181           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5182           |                                             |        |        | HR5181 (Lo-16bits)             |
| HR5183           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5184           |                                             |        |        | HR5183 (Lo-16bits)             |
| HR5185           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5186           |                                             |        |        | HR5185 (Lo-16bits)             |
| HR5187           | DEF1:Pick-up setting U0set>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5188           |                                             |        |        | HR5187 (Lo-16bits)             |
| HR5189           | DEF1:Comp. pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5190           |                                             |        |        | HR5189 (Lo-16bits)             |
| HR5191           | DEF1:Comp. pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                   | Access | Length | Info                           |
|------------------|---------------------------------------------|--------|--------|--------------------------------|
| HR5192           |                                             |        |        | HR5191 (Lo-16bits)             |
| HR5193           | DEF1:Comp. pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5194           |                                             |        |        | HR5193 (Lo-16bits)             |
| HR5195           | DEF1:Comp. pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5196           |                                             |        |        | HR5195 (Lo-16bits)             |
| HR5197           | DEF1:Comp. pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5198           |                                             |        |        | HR5197 (Lo-16bits)             |
| HR5199           | DEF1:Comp. pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5200           |                                             |        |        | HR5199 (Lo-16bits)             |
| HR5201           | DEF1:Comp. pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5202           |                                             |        |        | HR5201 (Lo-16bits)             |
| HR5203           | DEF1:Comp. pick-up setting I0set (I0Cosfi)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5204           |                                             |        |        | HR5203 (Lo-16bits)             |
| HR5205           | DEF1:Comp. pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5206           |                                             |        |        | HR5205 (Lo-16bits)             |
| HR5207           | DEF1:Comp. pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5208           |                                             |        |        | HR5207 (Lo-16bits)             |
| HR5209           | DEF1:Comp. pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5210           |                                             |        |        | HR5209 (Lo-16bits)             |
| HR5211           | DEF1:Comp. pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5212           |                                             |        |        | HR5211 (Lo-16bits)             |
| HR5213           | DEF1:Comp. pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5214           |                                             |        |        | HR5213 (Lo-16bits)             |
| HR5215           | DEF1:Comp. pick-up setting U0set(I0Cosfi)>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                                     | Access | Length | Info                         |
|------------------|---------------------------------------------------------------|--------|--------|------------------------------|
| HR5216           |                                                               |        |        | HR5215 (Lo-16bits)           |
| HR5217           | DEF1:Comp. pick-up setting<br>U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5218           |                                                               |        |        | HR5217 (Lo-16bits)           |
| HR5219           | DEF1:Comp. pick-up setting<br>U0set(I0Cosfi)>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR5220           |                                                               |        |        | HR5219 (Lo-16bits)           |
| HR5221           | DEF1:Unearthed / Compensated<br>border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5222           |                                                               |        |        | HR5221 (Lo-16bits)           |
| HR5223           | DEF1:Unearthed / Compensated<br>border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5224           |                                                               |        |        | HR5223 (Lo-16bits)           |
| HR5225           | DEF1:Unearthed / Compensated<br>border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5226           |                                                               |        |        | HR5225 (Lo-16bits)           |
| HR5227           | DEF1:Unearthed / Compensated<br>border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5228           |                                                               |        |        | HR5227 (Lo-16bits)           |
| HR5229           | DEF1:Unearthed / Compensated<br>border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5230           |                                                               |        |        | HR5229 (Lo-16bits)           |
| HR5231           | DEF1:Unearthed / Compensated<br>border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5232           |                                                               |        |        | HR5231 (Lo-16bits)           |
| HR5233           | DEF1:Unearthed / Compensated<br>border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5234           |                                                               |        |        | HR5233 (Lo-16bits)           |
| HR5235           | DEF1:Unearthed / Compensated<br>border angle (0 = not in use) | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5236           |                                                               |        |        | HR5235 (Lo-16bits)           |
| HR5237           | DEF1:Resistive (I0Cosfi) mode I0<br>angle blinder             | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5238           |                                                               |        |        | HR5237 (Lo-16bits)           |
| HR5239           | DEF1:Resistive (I0Cosfi) mode I0<br>angle blinder             | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |

| Holding Register | Parameter                                      | Access | Length | Info                        |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR5240           |                                                |        |        | HR5239 (Lo-16bits)          |
| HR5241           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5242           |                                                |        |        | HR5241 (Lo-16bits)          |
| HR5243           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5244           |                                                |        |        | HR5243 (Lo-16bits)          |
| HR5245           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5246           |                                                |        |        | HR5245 (Lo-16bits)          |
| HR5247           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5248           |                                                |        |        | HR5247 (Lo-16bits)          |
| HR5249           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5250           |                                                |        |        | HR5249 (Lo-16bits)          |
| HR5251           | DEF1:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR5252           |                                                |        |        | HR5251 (Lo-16bits)          |
| HR5253           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR5254           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR5255           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR5256           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR5257           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR5258           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR5259           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR5260           | DEF1:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR5261           | DEF1:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR5262           |                                                |        |        | HR5261 (Lo-16bits)          |
| HR5263           | DEF1:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR5264           |                                                |        |        | HR5263 (Lo-16bits)          |
| HR5265           | DEF1:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR5266           |                                                |        |        | HR5265 (Lo-16bits)          |

| Holding Register | Parameter                                      | Access | Length | Info                           |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR5267           | DEF1:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5268           |                                                |        |        | HR5267 (Lo-16bits)             |
| HR5269           | DEF1:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5270           |                                                |        |        | HR5269 (Lo-16bits)             |
| HR5271           | DEF1:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5272           |                                                |        |        | HR5271 (Lo-16bits)             |
| HR5273           | DEF1:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5274           |                                                |        |        | HR5273 (Lo-16bits)             |
| HR5275           | DEF1:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5276           |                                                |        |        | HR5275 (Lo-16bits)             |
| HR5277           | DEF1:Unearth. pick-up setting I0set (I0Sinfj)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5278           |                                                |        |        | HR5277 (Lo-16bits)             |
| HR5279           | DEF1:Unearth. pick-up setting I0set (I0Sinfj)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5280           |                                                |        |        | HR5279 (Lo-16bits)             |
| HR5281           | DEF1:Unearth. pick-up setting I0set (I0Sinfj)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5282           |                                                |        |        | HR5281 (Lo-16bits)             |
| HR5283           | DEF1:Unearth. pick-up setting I0set (I0Sinfj)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5284           |                                                |        |        | HR5283 (Lo-16bits)             |
| HR5285           | DEF1:Unearth. pick-up setting I0set (I0Sinfj)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5286           |                                                |        |        | HR5285 (Lo-16bits)             |
| HR5287           | DEF1:Unearth. pick-up setting I0set (I0Sinfj)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5288           |                                                |        |        | HR5287 (Lo-16bits)             |
| HR5289           | DEF1:Unearth. pick-up setting I0set (I0Sinfj)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5290           |                                                |        |        | HR5289 (Lo-16bits)             |
| HR5291           | DEF1:Unearth. pick-up setting I0set (I0Sinfj)> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5292           |                                                |        |        | HR5291 (Lo-16bits)             |

| Holding Register | Parameter                                       | Access | Length | Info                        |
|------------------|-------------------------------------------------|--------|--------|-----------------------------|
| HR5293           | DEF1:Unearth. pick-up setting<br>U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5294           |                                                 |        |        | HR5293 (Lo-16bits)          |
| HR5295           | DEF1:Unearth. pick-up setting<br>U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5296           |                                                 |        |        | HR5295 (Lo-16bits)          |
| HR5297           | DEF1:Unearth. pick-up setting<br>U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5298           |                                                 |        |        | HR5297 (Lo-16bits)          |
| HR5299           | DEF1:Unearth. pick-up setting<br>U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5300           |                                                 |        |        | HR5299 (Lo-16bits)          |
| HR5301           | DEF1:Unearth. pick-up setting<br>U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5302           |                                                 |        |        | HR5301 (Lo-16bits)          |
| HR5303           | DEF1:Unearth. pick-up setting<br>U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5304           |                                                 |        |        | HR5303 (Lo-16bits)          |
| HR5305           | DEF1:Unearth. pick-up setting<br>U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5306           |                                                 |        |        | HR5305 (Lo-16bits)          |
| HR5307           | DEF1:Unearth. pick-up setting<br>U0set(I0Sinf)> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR5308           |                                                 |        |        | HR5307 (Lo-16bits)          |
| HR5309           | DEF1:Tripping area size (+/-)                   | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR5310           |                                                 |        |        | HR5309 (Lo-16bits)          |
| HR5311           | DEF1:Tripping area size (+/-)                   | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR5312           |                                                 |        |        | HR5311 (Lo-16bits)          |
| HR5313           | DEF1:Tripping area size (+/-)                   | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR5314           |                                                 |        |        | HR5313 (Lo-16bits)          |
| HR5315           | DEF1:Tripping area size (+/-)                   | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR5316           |                                                 |        |        | HR5315 (Lo-16bits)          |
| HR5317           | DEF1:Tripping area size (+/-)                   | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR5318           |                                                 |        |        | HR5317 (Lo-16bits)          |

| Holding Register | Parameter                                      | Access | Length | Info                                                   |
|------------------|------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5319           | DEF1:Tripping area size (+/-)                  | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5320           |                                                |        |        | HR5319 (Lo-16bits)                                     |
| HR5321           | DEF1:Tripping area size (+/-)                  | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5322           |                                                |        |        | HR5321 (Lo-16bits)                                     |
| HR5323           | DEF1:Tripping area size (+/-)                  | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR5324           |                                                |        |        | HR5323 (Lo-16bits)                                     |
| HR5325           | DEF1:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5326           |                                                |        |        | HR5325 (Lo-16bits)                                     |
| HR5327           | DEF1:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5328           |                                                |        |        | HR5327 (Lo-16bits)                                     |
| HR5329           | DEF1:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5330           |                                                |        |        | HR5329 (Lo-16bits)                                     |
| HR5331           | DEF1:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5332           |                                                |        |        | HR5331 (Lo-16bits)                                     |
| HR5333           | DEF1:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5334           |                                                |        |        | HR5333 (Lo-16bits)                                     |
| HR5335           | DEF1:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5336           |                                                |        |        | HR5335 (Lo-16bits)                                     |
| HR5337           | DEF1:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5338           |                                                |        |        | HR5337 (Lo-16bits)                                     |
| HR5339           | DEF1:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5340           |                                                |        |        | HR5339 (Lo-16bits)                                     |
| HR5341           | DEF1:Delay type of broad range characteristics | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5342           | DEF1:Delay type of broad range characteristics | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5343           | DEF1:Delay type of broad range characteristics | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5344           | DEF1:Delay type of broad range characteristics | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5345           | DEF1:Delay type of broad range characteristics | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |

| Holding Register | Parameter                                        | Access | Length | Info                                                   |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5346           | DEF1:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5347           | DEF1:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5348           | DEF1:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5349           | DEF1:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5350           | DEF1:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5351           | DEF1:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5352           | DEF1:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5353           | DEF1:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5354           | DEF1:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5355           | DEF1:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5356           | DEF1:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5357           | DEF1:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5358           |                                                  |        |        | HR5357 (Lo-16bits)                                     |
| HR5359           | DEF1:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5360           |                                                  |        |        | HR5359 (Lo-16bits)                                     |
| HR5361           | DEF1:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5362           |                                                  |        |        | HR5361 (Lo-16bits)                                     |
| HR5363           | DEF1:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5364           |                                                  |        |        | HR5363 (Lo-16bits)                                     |
| HR5365           | DEF1:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5366           |                                                  |        |        | HR5365 (Lo-16bits)                                     |
| HR5367           | DEF1:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5368           |                                                  |        |        | HR5367 (Lo-16bits)                                     |
| HR5369           | DEF1:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR5370           |                                                  |        |        | HR5369 (Lo-16bits)                                     |



| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR5371           | DEF1:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5372           |                                                  |        |        | HR5371 (Lo-16bits)           |
| HR5373           | DEF1:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5374           |                                                  |        |        | HR5373 (Lo-16bits)           |
| HR5375           | DEF1:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5376           |                                                  |        |        | HR5375 (Lo-16bits)           |
| HR5377           | DEF1:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5378           |                                                  |        |        | HR5377 (Lo-16bits)           |
| HR5379           | DEF1:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5380           |                                                  |        |        | HR5379 (Lo-16bits)           |
| HR5381           | DEF1:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5382           |                                                  |        |        | HR5381 (Lo-16bits)           |
| HR5383           | DEF1:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5384           |                                                  |        |        | HR5383 (Lo-16bits)           |
| HR5385           | DEF1:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5386           |                                                  |        |        | HR5385 (Lo-16bits)           |
| HR5387           | DEF1:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5388           |                                                  |        |        | HR5387 (Lo-16bits)           |
| HR5389           | DEF1:Definite (minimum) operating time delay     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5390           |                                                  |        |        | HR5389 (Lo-16bits)           |
| HR5391           | DEF1:Definite (minimum) operating time delay     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5392           |                                                  |        |        | HR5391 (Lo-16bits)           |
| HR5393           | DEF1:Definite (minimum) operating time delay     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5394           |                                                  |        |        | HR5393 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length | Info                                                                           |
|------------------|----------------------------------------------|--------|--------|--------------------------------------------------------------------------------|
| HR5395           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                   |
| HR5396           |                                              |        |        | HR5395 (Lo-16bits)                                                             |
| HR5397           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                   |
| HR5398           |                                              |        |        | HR5397 (Lo-16bits)                                                             |
| HR5399           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                   |
| HR5400           |                                              |        |        | HR5399 (Lo-16bits)                                                             |
| HR5401           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                   |
| HR5402           |                                              |        |        | HR5401 (Lo-16bits)                                                             |
| HR5403           | DEF1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                   |
| HR5404           |                                              |        |        | HR5403 (Lo-16bits)                                                             |
| HR5405           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR5406           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR5407           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR5408           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR5409           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR5410           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR5411           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR5412           | DEF1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR5413           | DEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR5414           | DEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR5415           | DEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR5416           | DEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR5417           | DEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR5418           | DEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR5419           | DEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR5420           | DEF1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR5421           | DEF1:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |

| Holding Register | Parameter                               | Access | Length | Info                                                                           |
|------------------|-----------------------------------------|--------|--------|--------------------------------------------------------------------------------|
| HR5422           | DEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5423           | DEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5424           | DEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5425           | DEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5426           | DEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5427           | DEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5428           | DEF1:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR5429           | DEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR5430           | DEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR5431           | DEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR5432           | DEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR5433           | DEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR5434           | DEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR5435           | DEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR5436           | DEF1:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR5437           | DEF1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                  |
| HR5438           |                                         |        |        | HR5437 (Lo-16bits)                                                             |
| HR5439           | DEF1:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                  |
| HR5440           |                                         |        |        | HR5439 (Lo-16bits)                                                             |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR5441           | DEF1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5442           |                          |        |        | HR5441 (Lo-16bits)            |
| HR5443           | DEF1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5444           |                          |        |        | HR5443 (Lo-16bits)            |
| HR5445           | DEF1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5446           |                          |        |        | HR5445 (Lo-16bits)            |
| HR5447           | DEF1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5448           |                          |        |        | HR5447 (Lo-16bits)            |
| HR5449           | DEF1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5450           |                          |        |        | HR5449 (Lo-16bits)            |
| HR5451           | DEF1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5452           |                          |        |        | HR5451 (Lo-16bits)            |
| HR5453           | DEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5454           |                          |        |        | HR5453 (Lo-16bits)            |
| HR5455           | DEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5456           |                          |        |        | HR5455 (Lo-16bits)            |
| HR5457           | DEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5458           |                          |        |        | HR5457 (Lo-16bits)            |
| HR5459           | DEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5460           |                          |        |        | HR5459 (Lo-16bits)            |
| HR5461           | DEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5462           |                          |        |        | HR5461 (Lo-16bits)            |
| HR5463           | DEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5464           |                          |        |        | HR5463 (Lo-16bits)            |
| HR5465           | DEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5466           |                          |        |        | HR5465 (Lo-16bits)            |
| HR5467           | DEF1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5468           |                          |        |        | HR5467 (Lo-16bits)            |
| HR5469           | DEF1:IDMT constant B     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5470           |                          |        |        | HR5469 (Lo-16bits)            |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR5471           | DEF1:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5472           |                      |        |        | HR5471 (Lo-16bits)          |
| HR5473           | DEF1:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5474           |                      |        |        | HR5473 (Lo-16bits)          |
| HR5475           | DEF1:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5476           |                      |        |        | HR5475 (Lo-16bits)          |
| HR5477           | DEF1:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5478           |                      |        |        | HR5477 (Lo-16bits)          |
| HR5479           | DEF1:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5480           |                      |        |        | HR5479 (Lo-16bits)          |
| HR5481           | DEF1:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5482           |                      |        |        | HR5481 (Lo-16bits)          |
| HR5483           | DEF1:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5484           |                      |        |        | HR5483 (Lo-16bits)          |
| HR5485           | DEF1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5486           |                      |        |        | HR5485 (Lo-16bits)          |
| HR5487           | DEF1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5488           |                      |        |        | HR5487 (Lo-16bits)          |
| HR5489           | DEF1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5490           |                      |        |        | HR5489 (Lo-16bits)          |
| HR5491           | DEF1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5492           |                      |        |        | HR5491 (Lo-16bits)          |
| HR5493           | DEF1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5494           |                      |        |        | HR5493 (Lo-16bits)          |
| HR5495           | DEF1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5496           |                      |        |        | HR5495 (Lo-16bits)          |
| HR5497           | DEF1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5498           |                      |        |        | HR5497 (Lo-16bits)          |
| HR5499           | DEF1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5500           |                      |        |        | HR5499 (Lo-16bits)          |

| Holding Register | Parameter                                                                 | Access | Length | Info                         |
|------------------|---------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5501           | DEF1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5502           | DEF1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5503           | DEF1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5504           | DEF1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5505           | DEF1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5506           | DEF1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5507           | DEF1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5508           | DEF1:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5509           | DEF1:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5510           |                                                                           |        |        | HR5509 (Lo-16bits)           |
| HR5511           | DEF1:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5512           |                                                                           |        |        | HR5511 (Lo-16bits)           |
| HR5513           | DEF1:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5514           |                                                                           |        |        | HR5513 (Lo-16bits)           |
| HR5515           | DEF1:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5516           |                                                                           |        |        | HR5515 (Lo-16bits)           |
| HR5517           | DEF1:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5518           |                                                                           |        |        | HR5517 (Lo-16bits)           |
| HR5519           | DEF1:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5520           |                                                                           |        |        | HR5519 (Lo-16bits)           |
| HR5521           | DEF1:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5522           |                                                                           |        |        | HR5521 (Lo-16bits)           |

| Holding Register | Parameter                                         | Access | Length | Info                         |
|------------------|---------------------------------------------------|--------|--------|------------------------------|
| HR5523           | DEF1:2nd harmonic blocking limit (lharm / Ifund)  | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5524           |                                                   |        |        | HR5523 (Lo-16bits)           |
| HR5525           | DEF1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR5526           | DEF1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR5527           | DEF1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR5528           | DEF1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR5529           | DEF1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR5530           | DEF1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR5531           | DEF1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR5532           | DEF1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR5533           | DEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5534           |                                                   |        |        | HR5533 (Lo-16bits)           |
| HR5535           | DEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5536           |                                                   |        |        | HR5535 (Lo-16bits)           |
| HR5537           | DEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5538           |                                                   |        |        | HR5537 (Lo-16bits)           |
| HR5539           | DEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5540           |                                                   |        |        | HR5539 (Lo-16bits)           |
| HR5541           | DEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5542           |                                                   |        |        | HR5541 (Lo-16bits)           |
| HR5543           | DEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5544           |                                                   |        |        | HR5543 (Lo-16bits)           |
| HR5545           | DEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5546           |                                                   |        |        | HR5545 (Lo-16bits)           |
| HR5547           | DEF1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5548           |                                                   |        |        | HR5547 (Lo-16bits)           |
| HR5549           | DEF1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR5550           | DEF1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                   |

| Holding Register | Parameter                                          | Access | Length | Info                                                                                                                   |
|------------------|----------------------------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------------------|
| HR5551           | DEF1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5552           | DEF1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5553           | DEF1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5554           | DEF1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5555           | DEF1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5556           | DEF1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5557           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5558           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5559           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5560           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5561           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5562           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5563           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5564           | DEF1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5565           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5566           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5567           | DEF2:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |



| Holding Register | Parameter                    | Access | Length | Info                                                                                                                   |
|------------------|------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------------------|
| HR5568           | DEF2:Grounding type          | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5569           | DEF2:Grounding type          | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5570           | DEF2:Grounding type          | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5571           | DEF2:Grounding type          | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5572           | DEF2:Grounding type          | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5573           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5574           |                              |        |        | HR5573 (Lo-16bits)                                                                                                     |
| HR5575           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5576           |                              |        |        | HR5575 (Lo-16bits)                                                                                                     |
| HR5577           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5578           |                              |        |        | HR5577 (Lo-16bits)                                                                                                     |
| HR5579           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5580           |                              |        |        | HR5579 (Lo-16bits)                                                                                                     |
| HR5581           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5582           |                              |        |        | HR5581 (Lo-16bits)                                                                                                     |
| HR5583           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5584           |                              |        |        | HR5583 (Lo-16bits)                                                                                                     |
| HR5585           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5586           |                              |        |        | HR5585 (Lo-16bits)                                                                                                     |
| HR5587           | DEF2:Pick-up setting I0set>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5588           |                              |        |        | HR5587 (Lo-16bits)                                                                                                     |
| HR5589           | DEF2:Pick-up setting U0set>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                                                                             |
| HR5590           |                              |        |        | HR5589 (Lo-16bits)                                                                                                     |

| Holding Register | Parameter                                    | Access | Length | Info                           |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5591           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5592           |                                              |        |        | HR5591 (Lo-16bits)             |
| HR5593           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5594           |                                              |        |        | HR5593 (Lo-16bits)             |
| HR5595           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5596           |                                              |        |        | HR5595 (Lo-16bits)             |
| HR5597           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5598           |                                              |        |        | HR5597 (Lo-16bits)             |
| HR5599           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5600           |                                              |        |        | HR5599 (Lo-16bits)             |
| HR5601           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5602           |                                              |        |        | HR5601 (Lo-16bits)             |
| HR5603           | DEF2:Pick-up setting U0set>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5604           |                                              |        |        | HR5603 (Lo-16bits)             |
| HR5605           | DEF2:Comp. pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5606           |                                              |        |        | HR5605 (Lo-16bits)             |
| HR5607           | DEF2:Comp. pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5608           |                                              |        |        | HR5607 (Lo-16bits)             |
| HR5609           | DEF2:Comp. pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5610           |                                              |        |        | HR5609 (Lo-16bits)             |
| HR5611           | DEF2:Comp. pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5612           |                                              |        |        | HR5611 (Lo-16bits)             |
| HR5613           | DEF2:Comp. pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5614           |                                              |        |        | HR5613 (Lo-16bits)             |
| HR5615           | DEF2:Comp. pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5616           |                                              |        |        | HR5615 (Lo-16bits)             |
| HR5617           | DEF2:Comp. pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length | Info                           |
|------------------|----------------------------------------------|--------|--------|--------------------------------|
| HR5618           |                                              |        |        | HR5617 (Lo-16bits)             |
| HR5619           | DEF2:Comp. pick-up setting I0set (I0Cosfi)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5620           |                                              |        |        | HR5619 (Lo-16bits)             |
| HR5621           | DEF2:Comp. pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5622           |                                              |        |        | HR5621 (Lo-16bits)             |
| HR5623           | DEF2:Comp. pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5624           |                                              |        |        | HR5623 (Lo-16bits)             |
| HR5625           | DEF2:Comp. pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5626           |                                              |        |        | HR5625 (Lo-16bits)             |
| HR5627           | DEF2:Comp. pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5628           |                                              |        |        | HR5627 (Lo-16bits)             |
| HR5629           | DEF2:Comp. pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5630           |                                              |        |        | HR5629 (Lo-16bits)             |
| HR5631           | DEF2:Comp. pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5632           |                                              |        |        | HR5631 (Lo-16bits)             |
| HR5633           | DEF2:Comp. pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5634           |                                              |        |        | HR5633 (Lo-16bits)             |
| HR5635           | DEF2:Comp. pick-up setting U0set(I0Cosfi)>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5636           |                                              |        |        | HR5635 (Lo-16bits)             |
| HR5637           | DEF2:Unearthed / Compensated border angle    | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |
| HR5638           |                                              |        |        | HR5637 (Lo-16bits)             |
| HR5639           | DEF2:Unearthed / Compensated border angle    | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |
| HR5640           |                                              |        |        | HR5639 (Lo-16bits)             |
| HR5641           | DEF2:Unearthed / Compensated border angle    | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |

| Holding Register | Parameter                                      | Access | Length | Info                         |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5642           |                                                |        |        | HR5641 (Lo-16bits)           |
| HR5643           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5644           |                                                |        |        | HR5643 (Lo-16bits)           |
| HR5645           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5646           |                                                |        |        | HR5645 (Lo-16bits)           |
| HR5647           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5648           |                                                |        |        | HR5647 (Lo-16bits)           |
| HR5649           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5650           |                                                |        |        | HR5649 (Lo-16bits)           |
| HR5651           | DEF2:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR5652           |                                                |        |        | HR5651 (Lo-16bits)           |
| HR5653           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5654           |                                                |        |        | HR5653 (Lo-16bits)           |
| HR5655           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5656           |                                                |        |        | HR5655 (Lo-16bits)           |
| HR5657           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5658           |                                                |        |        | HR5657 (Lo-16bits)           |
| HR5659           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5660           |                                                |        |        | HR5659 (Lo-16bits)           |
| HR5661           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5662           |                                                |        |        | HR5661 (Lo-16bits)           |
| HR5663           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR5664           |                                                |        |        | HR5663 (Lo-16bits)           |
| HR5665           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |

| Holding Register | Parameter                                      | Access | Length | Info                           |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR5666           |                                                |        |        | HR5665 (Lo-16bits)             |
| HR5667           | DEF2:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)    |
| HR5668           |                                                |        |        | HR5667 (Lo-16bits)             |
| HR5669           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR5670           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR5671           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR5672           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR5673           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR5674           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR5675           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR5676           | DEF2:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR5677           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5678           |                                                |        |        | HR5677 (Lo-16bits)             |
| HR5679           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5680           |                                                |        |        | HR5679 (Lo-16bits)             |
| HR5681           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5682           |                                                |        |        | HR5681 (Lo-16bits)             |
| HR5683           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5684           |                                                |        |        | HR5683 (Lo-16bits)             |
| HR5685           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5686           |                                                |        |        | HR5685 (Lo-16bits)             |
| HR5687           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5688           |                                                |        |        | HR5687 (Lo-16bits)             |
| HR5689           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5690           |                                                |        |        | HR5689 (Lo-16bits)             |
| HR5691           | DEF2:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR5692           |                                                |        |        | HR5691 (Lo-16bits)             |
| HR5693           | DEF2:Unearth. pick-up setting I0set (I0Sinf)>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5694           |                                                |        |        | HR5693 (Lo-16bits)             |

| Holding Register | Parameter                                       | Access | Length | Info                           |
|------------------|-------------------------------------------------|--------|--------|--------------------------------|
| HR5695           | DEF2:Unearth. pick-up setting I0set (I0Sinf) >> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5696           |                                                 |        |        | HR5695 (Lo-16bits)             |
| HR5697           | DEF2:Unearth. pick-up setting I0set (I0Sinf) >> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5698           |                                                 |        |        | HR5697 (Lo-16bits)             |
| HR5699           | DEF2:Unearth. pick-up setting I0set (I0Sinf) >> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5700           |                                                 |        |        | HR5699 (Lo-16bits)             |
| HR5701           | DEF2:Unearth. pick-up setting I0set (I0Sinf) >> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5702           |                                                 |        |        | HR5701 (Lo-16bits)             |
| HR5703           | DEF2:Unearth. pick-up setting I0set (I0Sinf) >> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5704           |                                                 |        |        | HR5703 (Lo-16bits)             |
| HR5705           | DEF2:Unearth. pick-up setting I0set (I0Sinf) >> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5706           |                                                 |        |        | HR5705 (Lo-16bits)             |
| HR5707           | DEF2:Unearth. pick-up setting I0set (I0Sinf) >> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5708           |                                                 |        |        | HR5707 (Lo-16bits)             |
| HR5709           | DEF2:Unearth. pick-up setting U0set(I0Sinf) >>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5710           |                                                 |        |        | HR5709 (Lo-16bits)             |
| HR5711           | DEF2:Unearth. pick-up setting U0set(I0Sinf) >>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5712           |                                                 |        |        | HR5711 (Lo-16bits)             |
| HR5713           | DEF2:Unearth. pick-up setting U0set(I0Sinf) >>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5714           |                                                 |        |        | HR5713 (Lo-16bits)             |
| HR5715           | DEF2:Unearth. pick-up setting U0set(I0Sinf) >>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5716           |                                                 |        |        | HR5715 (Lo-16bits)             |
| HR5717           | DEF2:Unearth. pick-up setting U0set(I0Sinf) >>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5718           |                                                 |        |        | HR5717 (Lo-16bits)             |

| Holding Register | Parameter                                         | Access | Length | Info                           |
|------------------|---------------------------------------------------|--------|--------|--------------------------------|
| HR5719           | DEF2:Unearth. pick-up setting<br>U0set(I0SInfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5720           |                                                   |        |        | HR5719 (Lo-16bits)             |
| HR5721           | DEF2:Unearth. pick-up setting<br>U0set(I0SInfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5722           |                                                   |        |        | HR5721 (Lo-16bits)             |
| HR5723           | DEF2:Unearth. pick-up setting<br>U0set(I0SInfi)>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR5724           |                                                   |        |        | HR5723 (Lo-16bits)             |
| HR5725           | DEF2:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5726           |                                                   |        |        | HR5725 (Lo-16bits)             |
| HR5727           | DEF2:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5728           |                                                   |        |        | HR5727 (Lo-16bits)             |
| HR5729           | DEF2:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5730           |                                                   |        |        | HR5729 (Lo-16bits)             |
| HR5731           | DEF2:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5732           |                                                   |        |        | HR5731 (Lo-16bits)             |
| HR5733           | DEF2:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5734           |                                                   |        |        | HR5733 (Lo-16bits)             |
| HR5735           | DEF2:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5736           |                                                   |        |        | HR5735 (Lo-16bits)             |
| HR5737           | DEF2:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5738           |                                                   |        |        | HR5737 (Lo-16bits)             |
| HR5739           | DEF2:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR5740           |                                                   |        |        | HR5739 (Lo-16bits)             |
| HR5741           | DEF2:Tripping area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5742           |                                                   |        |        | HR5741 (Lo-16bits)             |
| HR5743           | DEF2:Tripping area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5744           |                                                   |        |        | HR5743 (Lo-16bits)             |
| HR5745           | DEF2:Tripping area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR5746           |                                                   |        |        | HR5745 (Lo-16bits)             |
| HR5747           | DEF2:Tripping area center                         | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |

| Holding Register | Parameter                                        | Access | Length | Info                                                   |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR5748           |                                                  |        |        | HR5747 (Lo-16bits)                                     |
| HR5749           | DEF2:Tripping area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5750           |                                                  |        |        | HR5749 (Lo-16bits)                                     |
| HR5751           | DEF2:Tripping area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5752           |                                                  |        |        | HR5751 (Lo-16bits)                                     |
| HR5753           | DEF2:Tripping area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5754           |                                                  |        |        | HR5753 (Lo-16bits)                                     |
| HR5755           | DEF2:Tripping area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR5756           |                                                  |        |        | HR5755 (Lo-16bits)                                     |
| HR5757           | DEF2:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5758           | DEF2:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5759           | DEF2:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5760           | DEF2:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5761           | DEF2:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5762           | DEF2:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5763           | DEF2:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5764           | DEF2:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR5765           | DEF2:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5766           | DEF2:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5767           | DEF2:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5768           | DEF2:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5769           | DEF2:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5770           | DEF2:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5771           | DEF2:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5772           | DEF2:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR5773           | DEF2:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |



| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR5774           |                                                  |        |        | HR5773 (Lo-16bits)           |
| HR5775           | DEF2:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5776           |                                                  |        |        | HR5775 (Lo-16bits)           |
| HR5777           | DEF2:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5778           |                                                  |        |        | HR5777 (Lo-16bits)           |
| HR5779           | DEF2:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5780           |                                                  |        |        | HR5779 (Lo-16bits)           |
| HR5781           | DEF2:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5782           |                                                  |        |        | HR5781 (Lo-16bits)           |
| HR5783           | DEF2:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5784           |                                                  |        |        | HR5783 (Lo-16bits)           |
| HR5785           | DEF2:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5786           |                                                  |        |        | HR5785 (Lo-16bits)           |
| HR5787           | DEF2:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5788           |                                                  |        |        | HR5787 (Lo-16bits)           |
| HR5789           | DEF2:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5790           |                                                  |        |        | HR5789 (Lo-16bits)           |
| HR5791           | DEF2:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5792           |                                                  |        |        | HR5791 (Lo-16bits)           |
| HR5793           | DEF2:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5794           |                                                  |        |        | HR5793 (Lo-16bits)           |
| HR5795           | DEF2:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5796           |                                                  |        |        | HR5795 (Lo-16bits)           |
| HR5797           | DEF2:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length | Info                         |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR5798           |                                                |        |        | HR5797 (Lo-16bits)           |
| HR5799           | DEF2:Definite operating time delay (Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5800           |                                                |        |        | HR5799 (Lo-16bits)           |
| HR5801           | DEF2:Definite operating time delay (Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5802           |                                                |        |        | HR5801 (Lo-16bits)           |
| HR5803           | DEF2:Definite operating time delay (Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5804           |                                                |        |        | HR5803 (Lo-16bits)           |
| HR5805           | DEF2:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5806           |                                                |        |        | HR5805 (Lo-16bits)           |
| HR5807           | DEF2:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5808           |                                                |        |        | HR5807 (Lo-16bits)           |
| HR5809           | DEF2:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5810           |                                                |        |        | HR5809 (Lo-16bits)           |
| HR5811           | DEF2:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5812           |                                                |        |        | HR5811 (Lo-16bits)           |
| HR5813           | DEF2:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5814           |                                                |        |        | HR5813 (Lo-16bits)           |
| HR5815           | DEF2:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5816           |                                                |        |        | HR5815 (Lo-16bits)           |
| HR5817           | DEF2:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5818           |                                                |        |        | HR5817 (Lo-16bits)           |
| HR5819           | DEF2:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR5820           |                                                |        |        | HR5819 (Lo-16bits)           |
| HR5821           | DEF2:Delay curve series                        | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR5822           | DEF2:Delay curve series                        | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |

| Holding Register | Parameter                                | Access | Length | Info                                                                                 |
|------------------|------------------------------------------|--------|--------|--------------------------------------------------------------------------------------|
| HR5823           | DEF2:Delay curve series                  | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                          |
| HR5824           | DEF2:Delay curve series                  | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                          |
| HR5825           | DEF2:Delay curve series                  | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                          |
| HR5826           | DEF2:Delay curve series                  | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                          |
| HR5827           | DEF2:Delay curve series                  | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                          |
| HR5828           | DEF2:Delay curve series                  | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                          |
| HR5829           | DEF2:Delay characteristics IEC           | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                         |
| HR5830           | DEF2:Delay characteristics IEC           | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                         |
| HR5831           | DEF2:Delay characteristics IEC           | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                         |
| HR5832           | DEF2:Delay characteristics IEC           | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                         |
| HR5833           | DEF2:Delay characteristics IEC           | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                         |
| HR5834           | DEF2:Delay characteristics IEC           | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                         |
| HR5835           | DEF2:Delay characteristics IEC           | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                         |
| HR5836           | DEF2:Delay characteristics IEC           | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                         |
| HR5837           | DEF2:Delay characteristics ANSI/<br>IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI<br>LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI<br>7=Param |
| HR5838           | DEF2:Delay characteristics ANSI/<br>IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI<br>LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI<br>7=Param |
| HR5839           | DEF2:Delay characteristics ANSI/<br>IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI<br>LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI<br>7=Param |
| HR5840           | DEF2:Delay characteristics ANSI/<br>IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI<br>LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI<br>7=Param |
| HR5841           | DEF2:Delay characteristics ANSI/<br>IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI<br>LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI<br>7=Param |
| HR5842           | DEF2:Delay characteristics ANSI/<br>IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI<br>LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI<br>7=Param |
| HR5843           | DEF2:Delay characteristics ANSI/<br>IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI<br>LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI<br>7=Param |
| HR5844           | DEF2:Delay characteristics ANSI/<br>IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI<br>LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI<br>7=Param |

| Holding Register | Parameter                               | Access | Length | Info                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------|
| HR5845           | DEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5846           | DEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5847           | DEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5848           | DEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5849           | DEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5850           | DEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5851           | DEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5852           | DEF2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR5853           | DEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5854           |                                         |        |        | HR5853 (Lo-16bits)            |
| HR5855           | DEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5856           |                                         |        |        | HR5855 (Lo-16bits)            |
| HR5857           | DEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5858           |                                         |        |        | HR5857 (Lo-16bits)            |
| HR5859           | DEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5860           |                                         |        |        | HR5859 (Lo-16bits)            |
| HR5861           | DEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5862           |                                         |        |        | HR5861 (Lo-16bits)            |
| HR5863           | DEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5864           |                                         |        |        | HR5863 (Lo-16bits)            |
| HR5865           | DEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5866           |                                         |        |        | HR5865 (Lo-16bits)            |
| HR5867           | DEF2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR5868           |                                         |        |        | HR5867 (Lo-16bits)            |
| HR5869           | DEF2:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR5870           |                                         |        |        | HR5869 (Lo-16bits)            |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR5871           | DEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5872           |                      |        |        | HR5871 (Lo-16bits)          |
| HR5873           | DEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5874           |                      |        |        | HR5873 (Lo-16bits)          |
| HR5875           | DEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5876           |                      |        |        | HR5875 (Lo-16bits)          |
| HR5877           | DEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5878           |                      |        |        | HR5877 (Lo-16bits)          |
| HR5879           | DEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5880           |                      |        |        | HR5879 (Lo-16bits)          |
| HR5881           | DEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5882           |                      |        |        | HR5881 (Lo-16bits)          |
| HR5883           | DEF2:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5884           |                      |        |        | HR5883 (Lo-16bits)          |
| HR5885           | DEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5886           |                      |        |        | HR5885 (Lo-16bits)          |
| HR5887           | DEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5888           |                      |        |        | HR5887 (Lo-16bits)          |
| HR5889           | DEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5890           |                      |        |        | HR5889 (Lo-16bits)          |
| HR5891           | DEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5892           |                      |        |        | HR5891 (Lo-16bits)          |
| HR5893           | DEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5894           |                      |        |        | HR5893 (Lo-16bits)          |
| HR5895           | DEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5896           |                      |        |        | HR5895 (Lo-16bits)          |
| HR5897           | DEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5898           |                      |        |        | HR5897 (Lo-16bits)          |
| HR5899           | DEF2:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR5900           |                      |        |        | HR5899 (Lo-16bits)          |

| Holding Register | Parameter                                                                 | Access | Length | Info                         |
|------------------|---------------------------------------------------------------------------|--------|--------|------------------------------|
| HR5901           | DEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5902           |                                                                           |        |        | HR5901 (Lo-16bits)           |
| HR5903           | DEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5904           |                                                                           |        |        | HR5903 (Lo-16bits)           |
| HR5905           | DEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5906           |                                                                           |        |        | HR5905 (Lo-16bits)           |
| HR5907           | DEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5908           |                                                                           |        |        | HR5907 (Lo-16bits)           |
| HR5909           | DEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5910           |                                                                           |        |        | HR5909 (Lo-16bits)           |
| HR5911           | DEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5912           |                                                                           |        |        | HR5911 (Lo-16bits)           |
| HR5913           | DEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5914           |                                                                           |        |        | HR5913 (Lo-16bits)           |
| HR5915           | DEF2:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR5916           |                                                                           |        |        | HR5915 (Lo-16bits)           |
| HR5917           | DEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5918           | DEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5919           | DEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5920           | DEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5921           | DEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5922           | DEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5923           | DEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5924           | DEF2:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR5925           | DEF2:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5926           |                                                                           |        |        | HR5925 (Lo-16bits)           |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR5927           | DEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5928           |                                                  |        |        | HR5927 (Lo-16bits)           |
| HR5929           | DEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5930           |                                                  |        |        | HR5929 (Lo-16bits)           |
| HR5931           | DEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5932           |                                                  |        |        | HR5931 (Lo-16bits)           |
| HR5933           | DEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5934           |                                                  |        |        | HR5933 (Lo-16bits)           |
| HR5935           | DEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5936           |                                                  |        |        | HR5935 (Lo-16bits)           |
| HR5937           | DEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5938           |                                                  |        |        | HR5937 (Lo-16bits)           |
| HR5939           | DEF2:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR5940           |                                                  |        |        | HR5939 (Lo-16bits)           |
| HR5941           | DEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5942           | DEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5943           | DEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5944           | DEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5945           | DEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5946           | DEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5947           | DEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5948           | DEF2:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR5949           | DEF2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5950           |                                                  |        |        | HR5949 (Lo-16bits)           |
| HR5951           | DEF2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR5952           |                                                  |        |        | HR5951 (Lo-16bits)           |
| HR5953           | DEF2:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR5954           |                                                    |        |        | HR5953 (Lo-16bits)          |
| HR5955           | DEF2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5956           |                                                    |        |        | HR5955 (Lo-16bits)          |
| HR5957           | DEF2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5958           |                                                    |        |        | HR5957 (Lo-16bits)          |
| HR5959           | DEF2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5960           |                                                    |        |        | HR5959 (Lo-16bits)          |
| HR5961           | DEF2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5962           |                                                    |        |        | HR5961 (Lo-16bits)          |
| HR5963           | DEF2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR5964           |                                                    |        |        | HR5963 (Lo-16bits)          |
| HR5965           | DEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5966           | DEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5967           | DEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5968           | DEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5969           | DEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5970           | DEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5971           | DEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5972           | DEF2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR5973           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR5974           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR5975           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR5976           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR5977           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |



| Holding Register | Parameter                                          | Access | Length | Info                                                                                                                   |
|------------------|----------------------------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------------------|
| HR5978           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5979           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5980           | DEF2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR5981           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5982           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5983           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5984           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5985           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5986           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5987           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5988           | DEF3:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR5989           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5990           |                                                    |        |        | HR5989 (Lo-16bits)                                                                                                     |
| HR5991           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5992           |                                                    |        |        | HR5991 (Lo-16bits)                                                                                                     |
| HR5993           | DEF3:Pick-up setting I0set>>>                      | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR5994           |                                                    |        |        | HR5993 (Lo-16bits)                                                                                                     |

| Holding Register | Parameter                                     | Access | Length | Info                           |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR5995           | DEF3:Pick-up setting I0set>>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5996           |                                               |        |        | HR5995 (Lo-16bits)             |
| HR5997           | DEF3:Pick-up setting I0set>>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR5998           |                                               |        |        | HR5997 (Lo-16bits)             |
| HR5999           | DEF3:Pick-up setting I0set>>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6000           |                                               |        |        | HR5999 (Lo-16bits)             |
| HR6001           | DEF3:Pick-up setting I0set>>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6002           |                                               |        |        | HR6001 (Lo-16bits)             |
| HR6003           | DEF3:Pick-up setting I0set>>>                 | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6004           |                                               |        |        | HR6003 (Lo-16bits)             |
| HR6005           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6006           |                                               |        |        | HR6005 (Lo-16bits)             |
| HR6007           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6008           |                                               |        |        | HR6007 (Lo-16bits)             |
| HR6009           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6010           |                                               |        |        | HR6009 (Lo-16bits)             |
| HR6011           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6012           |                                               |        |        | HR6011 (Lo-16bits)             |
| HR6013           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6014           |                                               |        |        | HR6013 (Lo-16bits)             |
| HR6015           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6016           |                                               |        |        | HR6015 (Lo-16bits)             |
| HR6017           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6018           |                                               |        |        | HR6017 (Lo-16bits)             |
| HR6019           | DEF3:Pick-up setting U0set>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6020           |                                               |        |        | HR6019 (Lo-16bits)             |
| HR6021           | DEF3:Comp. pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6022           |                                               |        |        | HR6021 (Lo-16bits)             |
| HR6023           | DEF3:Comp. pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                     | Access | Length | Info                           |
|------------------|-----------------------------------------------|--------|--------|--------------------------------|
| HR6024           |                                               |        |        | HR6023 (Lo-16bits)             |
| HR6025           | DEF3:Comp. pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6026           |                                               |        |        | HR6025 (Lo-16bits)             |
| HR6027           | DEF3:Comp. pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6028           |                                               |        |        | HR6027 (Lo-16bits)             |
| HR6029           | DEF3:Comp. pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6030           |                                               |        |        | HR6029 (Lo-16bits)             |
| HR6031           | DEF3:Comp. pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6032           |                                               |        |        | HR6031 (Lo-16bits)             |
| HR6033           | DEF3:Comp. pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6034           |                                               |        |        | HR6033 (Lo-16bits)             |
| HR6035           | DEF3:Comp. pick-up setting I0set (I0Cosfi)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6036           |                                               |        |        | HR6035 (Lo-16bits)             |
| HR6037           | DEF3:Comp. pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6038           |                                               |        |        | HR6037 (Lo-16bits)             |
| HR6039           | DEF3:Comp. pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6040           |                                               |        |        | HR6039 (Lo-16bits)             |
| HR6041           | DEF3:Comp. pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6042           |                                               |        |        | HR6041 (Lo-16bits)             |
| HR6043           | DEF3:Comp. pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6044           |                                               |        |        | HR6043 (Lo-16bits)             |
| HR6045           | DEF3:Comp. pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6046           |                                               |        |        | HR6045 (Lo-16bits)             |
| HR6047           | DEF3:Comp. pick-up setting U0set(I0Cosfi)>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |

| Holding Register | Parameter                                         | Access | Length | Info                         |
|------------------|---------------------------------------------------|--------|--------|------------------------------|
| HR6048           |                                                   |        |        | HR6047 (Lo-16bits)           |
| HR6049           | DEF3:Comp. pick-up setting<br>U0set(I0Cosfi)>>>   | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6050           |                                                   |        |        | HR6049 (Lo-16bits)           |
| HR6051           | DEF3:Comp. pick-up setting<br>U0set(I0Cosfi)>>>   | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR6052           |                                                   |        |        | HR6051 (Lo-16bits)           |
| HR6053           | DEF3:Unearthed / Compensated<br>border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6054           |                                                   |        |        | HR6053 (Lo-16bits)           |
| HR6055           | DEF3:Unearthed / Compensated<br>border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6056           |                                                   |        |        | HR6055 (Lo-16bits)           |
| HR6057           | DEF3:Unearthed / Compensated<br>border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6058           |                                                   |        |        | HR6057 (Lo-16bits)           |
| HR6059           | DEF3:Unearthed / Compensated<br>border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6060           |                                                   |        |        | HR6059 (Lo-16bits)           |
| HR6061           | DEF3:Unearthed / Compensated<br>border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6062           |                                                   |        |        | HR6061 (Lo-16bits)           |
| HR6063           | DEF3:Unearthed / Compensated<br>border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6064           |                                                   |        |        | HR6063 (Lo-16bits)           |
| HR6065           | DEF3:Unearthed / Compensated<br>border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6066           |                                                   |        |        | HR6065 (Lo-16bits)           |
| HR6067           | DEF3:Unearthed / Compensated<br>border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6068           |                                                   |        |        | HR6067 (Lo-16bits)           |
| HR6069           | DEF3:Resistive (I0Cosfi) mode I0<br>angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6070           |                                                   |        |        | HR6069 (Lo-16bits)           |
| HR6071           | DEF3:Resistive (I0Cosfi) mode I0<br>angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |

| Holding Register | Parameter                                      | Access | Length | Info                        |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR6072           |                                                |        |        | HR6071 (Lo-16bits)          |
| HR6073           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6074           |                                                |        |        | HR6073 (Lo-16bits)          |
| HR6075           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6076           |                                                |        |        | HR6075 (Lo-16bits)          |
| HR6077           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6078           |                                                |        |        | HR6077 (Lo-16bits)          |
| HR6079           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6080           |                                                |        |        | HR6079 (Lo-16bits)          |
| HR6081           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6082           |                                                |        |        | HR6081 (Lo-16bits)          |
| HR6083           | DEF3:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits) |
| HR6084           |                                                |        |        | HR6083 (Lo-16bits)          |
| HR6085           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR6086           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR6087           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR6088           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR6089           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR6090           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR6091           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR6092           | DEF3:Multi-criteria detection                  | R(W)   | 1      | 0=Not Used 1=Is Used        |
| HR6093           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6094           |                                                |        |        | HR6093 (Lo-16bits)          |
| HR6095           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6096           |                                                |        |        | HR6095 (Lo-16bits)          |
| HR6097           | DEF3:Angle MCD                                 | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)  |
| HR6098           |                                                |        |        | HR6097 (Lo-16bits)          |

| Holding Register | Parameter                                        | Access | Length | Info                           |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6099           | DEF3:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6100           |                                                  |        |        | HR6099 (Lo-16bits)             |
| HR6101           | DEF3:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6102           |                                                  |        |        | HR6101 (Lo-16bits)             |
| HR6103           | DEF3:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6104           |                                                  |        |        | HR6103 (Lo-16bits)             |
| HR6105           | DEF3:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6106           |                                                  |        |        | HR6105 (Lo-16bits)             |
| HR6107           | DEF3:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6108           |                                                  |        |        | HR6107 (Lo-16bits)             |
| HR6109           | DEF3:Unearth. pick-up setting I0set (I0Sinfj)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6110           |                                                  |        |        | HR6109 (Lo-16bits)             |
| HR6111           | DEF3:Unearth. pick-up setting I0set (I0Sinfj)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6112           |                                                  |        |        | HR6111 (Lo-16bits)             |
| HR6113           | DEF3:Unearth. pick-up setting I0set (I0Sinfj)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6114           |                                                  |        |        | HR6113 (Lo-16bits)             |
| HR6115           | DEF3:Unearth. pick-up setting I0set (I0Sinfj)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6116           |                                                  |        |        | HR6115 (Lo-16bits)             |
| HR6117           | DEF3:Unearth. pick-up setting I0set (I0Sinfj)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6118           |                                                  |        |        | HR6117 (Lo-16bits)             |
| HR6119           | DEF3:Unearth. pick-up setting I0set (I0Sinfj)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6120           |                                                  |        |        | HR6119 (Lo-16bits)             |
| HR6121           | DEF3:Unearth. pick-up setting I0set (I0Sinfj)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6122           |                                                  |        |        | HR6121 (Lo-16bits)             |
| HR6123           | DEF3:Unearth. pick-up setting I0set (I0Sinfj)>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6124           |                                                  |        |        | HR6123 (Lo-16bits)             |

| Holding Register | Parameter                                         | Access | Length | Info                        |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR6125           | DEF3:Unearth. pick-up setting<br>U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6126           |                                                   |        |        | HR6125 (Lo-16bits)          |
| HR6127           | DEF3:Unearth. pick-up setting<br>U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6128           |                                                   |        |        | HR6127 (Lo-16bits)          |
| HR6129           | DEF3:Unearth. pick-up setting<br>U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6130           |                                                   |        |        | HR6129 (Lo-16bits)          |
| HR6131           | DEF3:Unearth. pick-up setting<br>U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6132           |                                                   |        |        | HR6131 (Lo-16bits)          |
| HR6133           | DEF3:Unearth. pick-up setting<br>U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6134           |                                                   |        |        | HR6133 (Lo-16bits)          |
| HR6135           | DEF3:Unearth. pick-up setting<br>U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6136           |                                                   |        |        | HR6135 (Lo-16bits)          |
| HR6137           | DEF3:Unearth. pick-up setting<br>U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6138           |                                                   |        |        | HR6137 (Lo-16bits)          |
| HR6139           | DEF3:Unearth. pick-up setting<br>U0set(I0Sinf)>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)  |
| HR6140           |                                                   |        |        | HR6139 (Lo-16bits)          |
| HR6141           | DEF3:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6142           |                                                   |        |        | HR6141 (Lo-16bits)          |
| HR6143           | DEF3:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6144           |                                                   |        |        | HR6143 (Lo-16bits)          |
| HR6145           | DEF3:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6146           |                                                   |        |        | HR6145 (Lo-16bits)          |
| HR6147           | DEF3:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6148           |                                                   |        |        | HR6147 (Lo-16bits)          |
| HR6149           | DEF3:Tripping area size (+/-)                     | R(W)   | 2      | FLOAT [5...135] (Hi-16bits) |
| HR6150           |                                                   |        |        | HR6149 (Lo-16bits)          |

| Holding Register | Parameter                                      | Access | Length | Info                                                   |
|------------------|------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6151           | DEF3:Tripping area size (+/-)                  | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6152           |                                                |        |        | HR6151 (Lo-16bits)                                     |
| HR6153           | DEF3:Tripping area size (+/-)                  | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6154           |                                                |        |        | HR6153 (Lo-16bits)                                     |
| HR6155           | DEF3:Tripping area size (+/-)                  | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)                            |
| HR6156           |                                                |        |        | HR6155 (Lo-16bits)                                     |
| HR6157           | DEF3:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6158           |                                                |        |        | HR6157 (Lo-16bits)                                     |
| HR6159           | DEF3:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6160           |                                                |        |        | HR6159 (Lo-16bits)                                     |
| HR6161           | DEF3:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6162           |                                                |        |        | HR6161 (Lo-16bits)                                     |
| HR6163           | DEF3:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6164           |                                                |        |        | HR6163 (Lo-16bits)                                     |
| HR6165           | DEF3:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6166           |                                                |        |        | HR6165 (Lo-16bits)                                     |
| HR6167           | DEF3:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6168           |                                                |        |        | HR6167 (Lo-16bits)                                     |
| HR6169           | DEF3:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6170           |                                                |        |        | HR6169 (Lo-16bits)                                     |
| HR6171           | DEF3:Tripping area center                      | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6172           |                                                |        |        | HR6171 (Lo-16bits)                                     |
| HR6173           | DEF3:Delay type of broad range characteristics | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6174           | DEF3:Delay type of broad range characteristics | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6175           | DEF3:Delay type of broad range characteristics | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6176           | DEF3:Delay type of broad range characteristics | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6177           | DEF3:Delay type of broad range characteristics | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |



| Holding Register | Parameter                                        | Access | Length | Info                                                   |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6178           | DEF3:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR6179           | DEF3:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR6180           | DEF3:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for I0Cosfi and I0Sinfi |
| HR6181           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6182           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6183           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6184           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6185           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6186           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6187           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6188           | DEF3:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6189           | DEF3:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6190           |                                                  |        |        | HR6189 (Lo-16bits)                                     |
| HR6191           | DEF3:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6192           |                                                  |        |        | HR6191 (Lo-16bits)                                     |
| HR6193           | DEF3:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6194           |                                                  |        |        | HR6193 (Lo-16bits)                                     |
| HR6195           | DEF3:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6196           |                                                  |        |        | HR6195 (Lo-16bits)                                     |
| HR6197           | DEF3:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6198           |                                                  |        |        | HR6197 (Lo-16bits)                                     |
| HR6199           | DEF3:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6200           |                                                  |        |        | HR6199 (Lo-16bits)                                     |
| HR6201           | DEF3:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |
| HR6202           |                                                  |        |        | HR6201 (Lo-16bits)                                     |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR6203           | DEF3:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6204           |                                                  |        |        | HR6203 (Lo-16bits)           |
| HR6205           | DEF3:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6206           |                                                  |        |        | HR6205 (Lo-16bits)           |
| HR6207           | DEF3:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6208           |                                                  |        |        | HR6207 (Lo-16bits)           |
| HR6209           | DEF3:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6210           |                                                  |        |        | HR6209 (Lo-16bits)           |
| HR6211           | DEF3:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6212           |                                                  |        |        | HR6211 (Lo-16bits)           |
| HR6213           | DEF3:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6214           |                                                  |        |        | HR6213 (Lo-16bits)           |
| HR6215           | DEF3:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6216           |                                                  |        |        | HR6215 (Lo-16bits)           |
| HR6217           | DEF3:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6218           |                                                  |        |        | HR6217 (Lo-16bits)           |
| HR6219           | DEF3:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6220           |                                                  |        |        | HR6219 (Lo-16bits)           |
| HR6221           | DEF3:Definite (minimum) operating time delay     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6222           |                                                  |        |        | HR6221 (Lo-16bits)           |
| HR6223           | DEF3:Definite (minimum) operating time delay     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6224           |                                                  |        |        | HR6223 (Lo-16bits)           |
| HR6225           | DEF3:Definite (minimum) operating time delay     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6226           |                                                  |        |        | HR6225 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length | Info                                                                           |
|------------------|----------------------------------------------|--------|--------|--------------------------------------------------------------------------------|
| HR6227           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                   |
| HR6228           |                                              |        |        | HR6227 (Lo-16bits)                                                             |
| HR6229           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                   |
| HR6230           |                                              |        |        | HR6229 (Lo-16bits)                                                             |
| HR6231           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                   |
| HR6232           |                                              |        |        | HR6231 (Lo-16bits)                                                             |
| HR6233           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                   |
| HR6234           |                                              |        |        | HR6233 (Lo-16bits)                                                             |
| HR6235           | DEF3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                   |
| HR6236           |                                              |        |        | HR6235 (Lo-16bits)                                                             |
| HR6237           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6238           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6239           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6240           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6241           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6242           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6243           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6244           | DEF3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6245           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6246           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6247           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6248           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6249           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6250           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6251           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6252           | DEF3:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6253           | DEF3:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |

| Holding Register | Parameter                               | Access | Length | Info                                                                           |
|------------------|-----------------------------------------|--------|--------|--------------------------------------------------------------------------------|
| HR6254           | DEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6255           | DEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6256           | DEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6257           | DEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6258           | DEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6259           | DEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6260           | DEF3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6261           | DEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR6262           | DEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR6263           | DEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR6264           | DEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR6265           | DEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR6266           | DEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR6267           | DEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR6268           | DEF3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type                                                            |
| HR6269           | DEF3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                  |
| HR6270           |                                         |        |        | HR6269 (Lo-16bits)                                                             |
| HR6271           | DEF3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                  |
| HR6272           |                                         |        |        | HR6271 (Lo-16bits)                                                             |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6273           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6274           |                          |        |        | HR6273 (Lo-16bits)            |
| HR6275           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6276           |                          |        |        | HR6275 (Lo-16bits)            |
| HR6277           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6278           |                          |        |        | HR6277 (Lo-16bits)            |
| HR6279           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6280           |                          |        |        | HR6279 (Lo-16bits)            |
| HR6281           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6282           |                          |        |        | HR6281 (Lo-16bits)            |
| HR6283           | DEF3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6284           |                          |        |        | HR6283 (Lo-16bits)            |
| HR6285           | DEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6286           |                          |        |        | HR6285 (Lo-16bits)            |
| HR6287           | DEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6288           |                          |        |        | HR6287 (Lo-16bits)            |
| HR6289           | DEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6290           |                          |        |        | HR6289 (Lo-16bits)            |
| HR6291           | DEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6292           |                          |        |        | HR6291 (Lo-16bits)            |
| HR6293           | DEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6294           |                          |        |        | HR6293 (Lo-16bits)            |
| HR6295           | DEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6296           |                          |        |        | HR6295 (Lo-16bits)            |
| HR6297           | DEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6298           |                          |        |        | HR6297 (Lo-16bits)            |
| HR6299           | DEF3:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6300           |                          |        |        | HR6299 (Lo-16bits)            |
| HR6301           | DEF3:IDMT constant B     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6302           |                          |        |        | HR6301 (Lo-16bits)            |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR6303           | DEF3:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6304           |                      |        |        | HR6303 (Lo-16bits)          |
| HR6305           | DEF3:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6306           |                      |        |        | HR6305 (Lo-16bits)          |
| HR6307           | DEF3:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6308           |                      |        |        | HR6307 (Lo-16bits)          |
| HR6309           | DEF3:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6310           |                      |        |        | HR6309 (Lo-16bits)          |
| HR6311           | DEF3:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6312           |                      |        |        | HR6311 (Lo-16bits)          |
| HR6313           | DEF3:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6314           |                      |        |        | HR6313 (Lo-16bits)          |
| HR6315           | DEF3:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6316           |                      |        |        | HR6315 (Lo-16bits)          |
| HR6317           | DEF3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6318           |                      |        |        | HR6317 (Lo-16bits)          |
| HR6319           | DEF3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6320           |                      |        |        | HR6319 (Lo-16bits)          |
| HR6321           | DEF3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6322           |                      |        |        | HR6321 (Lo-16bits)          |
| HR6323           | DEF3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6324           |                      |        |        | HR6323 (Lo-16bits)          |
| HR6325           | DEF3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6326           |                      |        |        | HR6325 (Lo-16bits)          |
| HR6327           | DEF3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6328           |                      |        |        | HR6327 (Lo-16bits)          |
| HR6329           | DEF3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6330           |                      |        |        | HR6329 (Lo-16bits)          |
| HR6331           | DEF3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6332           |                      |        |        | HR6331 (Lo-16bits)          |

| Holding Register | Parameter                                                                 | Access | Length | Info                         |
|------------------|---------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6333           | DEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6334           | DEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6335           | DEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6336           | DEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6337           | DEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6338           | DEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6339           | DEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6340           | DEF3:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6341           | DEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6342           |                                                                           |        |        | HR6341 (Lo-16bits)           |
| HR6343           | DEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6344           |                                                                           |        |        | HR6343 (Lo-16bits)           |
| HR6345           | DEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6346           |                                                                           |        |        | HR6345 (Lo-16bits)           |
| HR6347           | DEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6348           |                                                                           |        |        | HR6347 (Lo-16bits)           |
| HR6349           | DEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6350           |                                                                           |        |        | HR6349 (Lo-16bits)           |
| HR6351           | DEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6352           |                                                                           |        |        | HR6351 (Lo-16bits)           |
| HR6353           | DEF3:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6354           |                                                                           |        |        | HR6353 (Lo-16bits)           |

| Holding Register | Parameter                                         | Access | Length | Info                         |
|------------------|---------------------------------------------------|--------|--------|------------------------------|
| HR6355           | DEF3:2nd harmonic blocking limit (lharm / Ifund)  | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6356           |                                                   |        |        | HR6355 (Lo-16bits)           |
| HR6357           | DEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR6358           | DEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR6359           | DEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR6360           | DEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR6361           | DEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR6362           | DEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR6363           | DEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR6364           | DEF3:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                   |
| HR6365           | DEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6366           |                                                   |        |        | HR6365 (Lo-16bits)           |
| HR6367           | DEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6368           |                                                   |        |        | HR6367 (Lo-16bits)           |
| HR6369           | DEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6370           |                                                   |        |        | HR6369 (Lo-16bits)           |
| HR6371           | DEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6372           |                                                   |        |        | HR6371 (Lo-16bits)           |
| HR6373           | DEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6374           |                                                   |        |        | HR6373 (Lo-16bits)           |
| HR6375           | DEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6376           |                                                   |        |        | HR6375 (Lo-16bits)           |
| HR6377           | DEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6378           |                                                   |        |        | HR6377 (Lo-16bits)           |
| HR6379           | DEF3:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6380           |                                                   |        |        | HR6379 (Lo-16bits)           |
| HR6381           | DEF3:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                   |
| HR6382           | DEF3:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                   |



| Holding Register | Parameter                                          | Access | Length | Info                                                                                                                   |
|------------------|----------------------------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------------------|
| HR6383           | DEF3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6384           | DEF3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6385           | DEF3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6386           | DEF3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6387           | DEF3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6388           | DEF3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6389           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6390           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6391           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6392           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6393           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6394           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6395           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6396           | DEF3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                                                                                                             |
| HR6397           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR6398           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR6399           | DEF4:Grounding type                                | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |

| Holding Register | Parameter                      | Access | Length | Info                                                                                                                   |
|------------------|--------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------------------|
| HR6400           | DEF4:Grounding type            | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR6401           | DEF4:Grounding type            | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR6402           | DEF4:Grounding type            | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR6403           | DEF4:Grounding type            | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR6404           | DEF4:Grounding type            | R(W)   | 1      | 0=Unearthed [32N Var] 1=Petersen coil GND [32N Watt] 2=Grounded [67N] 3=I0Cos&I0Sin Broadrange with MCD [32N Var/Watt] |
| HR6405           | DEF4:Pick-up setting I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR6406           |                                |        |        | HR6405 (Lo-16bits)                                                                                                     |
| HR6407           | DEF4:Pick-up setting I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR6408           |                                |        |        | HR6407 (Lo-16bits)                                                                                                     |
| HR6409           | DEF4:Pick-up setting I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR6410           |                                |        |        | HR6409 (Lo-16bits)                                                                                                     |
| HR6411           | DEF4:Pick-up setting I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR6412           |                                |        |        | HR6411 (Lo-16bits)                                                                                                     |
| HR6413           | DEF4:Pick-up setting I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR6414           |                                |        |        | HR6413 (Lo-16bits)                                                                                                     |
| HR6415           | DEF4:Pick-up setting I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR6416           |                                |        |        | HR6415 (Lo-16bits)                                                                                                     |
| HR6417           | DEF4:Pick-up setting I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR6418           |                                |        |        | HR6417 (Lo-16bits)                                                                                                     |
| HR6419           | DEF4:Pick-up setting I0set>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits)                                                                                         |
| HR6420           |                                |        |        | HR6419 (Lo-16bits)                                                                                                     |
| HR6421           | DEF4:Pick-up setting U0set>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)                                                                                             |
| HR6422           |                                |        |        | HR6421 (Lo-16bits)                                                                                                     |

| Holding Register | Parameter                                      | Access | Length | Info                           |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR6423           | DEF4:Pick-up setting U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6424           |                                                |        |        | HR6423 (Lo-16bits)             |
| HR6425           | DEF4:Pick-up setting U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6426           |                                                |        |        | HR6425 (Lo-16bits)             |
| HR6427           | DEF4:Pick-up setting U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6428           |                                                |        |        | HR6427 (Lo-16bits)             |
| HR6429           | DEF4:Pick-up setting U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6430           |                                                |        |        | HR6429 (Lo-16bits)             |
| HR6431           | DEF4:Pick-up setting U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6432           |                                                |        |        | HR6431 (Lo-16bits)             |
| HR6433           | DEF4:Pick-up setting U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6434           |                                                |        |        | HR6433 (Lo-16bits)             |
| HR6435           | DEF4:Pick-up setting U0set>>>>                 | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6436           |                                                |        |        | HR6435 (Lo-16bits)             |
| HR6437           | DEF4:Comp. pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6438           |                                                |        |        | HR6437 (Lo-16bits)             |
| HR6439           | DEF4:Comp. pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6440           |                                                |        |        | HR6439 (Lo-16bits)             |
| HR6441           | DEF4:Comp. pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6442           |                                                |        |        | HR6441 (Lo-16bits)             |
| HR6443           | DEF4:Comp. pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6444           |                                                |        |        | HR6443 (Lo-16bits)             |
| HR6445           | DEF4:Comp. pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6446           |                                                |        |        | HR6445 (Lo-16bits)             |
| HR6447           | DEF4:Comp. pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6448           |                                                |        |        | HR6447 (Lo-16bits)             |
| HR6449           | DEF4:Comp. pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length | Info                           |
|------------------|------------------------------------------------|--------|--------|--------------------------------|
| HR6450           |                                                |        |        | HR6449 (Lo-16bits)             |
| HR6451           | DEF4:Comp. pick-up setting I0set (I0Cosfi)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6452           |                                                |        |        | HR6451 (Lo-16bits)             |
| HR6453           | DEF4:Comp. pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6454           |                                                |        |        | HR6453 (Lo-16bits)             |
| HR6455           | DEF4:Comp. pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6456           |                                                |        |        | HR6455 (Lo-16bits)             |
| HR6457           | DEF4:Comp. pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6458           |                                                |        |        | HR6457 (Lo-16bits)             |
| HR6459           | DEF4:Comp. pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6460           |                                                |        |        | HR6459 (Lo-16bits)             |
| HR6461           | DEF4:Comp. pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6462           |                                                |        |        | HR6461 (Lo-16bits)             |
| HR6463           | DEF4:Comp. pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6464           |                                                |        |        | HR6463 (Lo-16bits)             |
| HR6465           | DEF4:Comp. pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6466           |                                                |        |        | HR6465 (Lo-16bits)             |
| HR6467           | DEF4:Comp. pick-up setting U0set(I0Cosfi)>>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6468           |                                                |        |        | HR6467 (Lo-16bits)             |
| HR6469           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |
| HR6470           |                                                |        |        | HR6469 (Lo-16bits)             |
| HR6471           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |
| HR6472           |                                                |        |        | HR6471 (Lo-16bits)             |
| HR6473           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits)   |

| Holding Register | Parameter                                      | Access | Length | Info                         |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6474           |                                                |        |        | HR6473 (Lo-16bits)           |
| HR6475           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6476           |                                                |        |        | HR6475 (Lo-16bits)           |
| HR6477           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6478           |                                                |        |        | HR6477 (Lo-16bits)           |
| HR6479           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6480           |                                                |        |        | HR6479 (Lo-16bits)           |
| HR6481           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6482           |                                                |        |        | HR6481 (Lo-16bits)           |
| HR6483           | DEF4:Unearthed / Compensated border angle      | R(W)   | 2      | FLOAT [-45...90] (Hi-16bits) |
| HR6484           |                                                |        |        | HR6483 (Lo-16bits)           |
| HR6485           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6486           |                                                |        |        | HR6485 (Lo-16bits)           |
| HR6487           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6488           |                                                |        |        | HR6487 (Lo-16bits)           |
| HR6489           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6490           |                                                |        |        | HR6489 (Lo-16bits)           |
| HR6491           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6492           |                                                |        |        | HR6491 (Lo-16bits)           |
| HR6493           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6494           |                                                |        |        | HR6493 (Lo-16bits)           |
| HR6495           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |
| HR6496           |                                                |        |        | HR6495 (Lo-16bits)           |
| HR6497           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)  |

| Holding Register | Parameter                                        | Access | Length | Info                           |
|------------------|--------------------------------------------------|--------|--------|--------------------------------|
| HR6498           |                                                  |        |        | HR6497 (Lo-16bits)             |
| HR6499           | DEF4:Resistive (I0Cosfi) mode I0 angle blinder   | R(W)   | 2      | FLOAT [-90...0] (Hi-16bits)    |
| HR6500           |                                                  |        |        | HR6499 (Lo-16bits)             |
| HR6501           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR6502           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR6503           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR6504           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR6505           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR6506           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR6507           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR6508           | DEF4:Multi-criteria detection                    | R(W)   | 1      | 0=Not Used 1=Is Used           |
| HR6509           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6510           |                                                  |        |        | HR6509 (Lo-16bits)             |
| HR6511           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6512           |                                                  |        |        | HR6511 (Lo-16bits)             |
| HR6513           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6514           |                                                  |        |        | HR6513 (Lo-16bits)             |
| HR6515           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6516           |                                                  |        |        | HR6515 (Lo-16bits)             |
| HR6517           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6518           |                                                  |        |        | HR6517 (Lo-16bits)             |
| HR6519           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6520           |                                                  |        |        | HR6519 (Lo-16bits)             |
| HR6521           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6522           |                                                  |        |        | HR6521 (Lo-16bits)             |
| HR6523           | DEF4:Angle MCD                                   | R(W)   | 2      | FLOAT [0...45] (Hi-16bits)     |
| HR6524           |                                                  |        |        | HR6523 (Lo-16bits)             |
| HR6525           | DEF4:Unearth. pick-up setting I0set (I0Sinf)>>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6526           |                                                  |        |        | HR6525 (Lo-16bits)             |

| Holding Register | Parameter                                         | Access | Length | Info                           |
|------------------|---------------------------------------------------|--------|--------|--------------------------------|
| HR6527           | DEF4:Unearth. pick-up setting I0set (I0Sinf) >>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6528           |                                                   |        |        | HR6527 (Lo-16bits)             |
| HR6529           | DEF4:Unearth. pick-up setting I0set (I0Sinf) >>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6530           |                                                   |        |        | HR6529 (Lo-16bits)             |
| HR6531           | DEF4:Unearth. pick-up setting I0set (I0Sinf) >>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6532           |                                                   |        |        | HR6531 (Lo-16bits)             |
| HR6533           | DEF4:Unearth. pick-up setting I0set (I0Sinf) >>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6534           |                                                   |        |        | HR6533 (Lo-16bits)             |
| HR6535           | DEF4:Unearth. pick-up setting I0set (I0Sinf) >>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6536           |                                                   |        |        | HR6535 (Lo-16bits)             |
| HR6537           | DEF4:Unearth. pick-up setting I0set (I0Sinf) >>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6538           |                                                   |        |        | HR6537 (Lo-16bits)             |
| HR6539           | DEF4:Unearth. pick-up setting I0set (I0Sinf) >>>> | R(W)   | 2      | FLOAT [0.005...40] (Hi-16bits) |
| HR6540           |                                                   |        |        | HR6539 (Lo-16bits)             |
| HR6541           | DEF4:Unearth. pick-up setting U0set(I0Sinf) >>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6542           |                                                   |        |        | HR6541 (Lo-16bits)             |
| HR6543           | DEF4:Unearth. pick-up setting U0set(I0Sinf) >>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6544           |                                                   |        |        | HR6543 (Lo-16bits)             |
| HR6545           | DEF4:Unearth. pick-up setting U0set(I0Sinf) >>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6546           |                                                   |        |        | HR6545 (Lo-16bits)             |
| HR6547           | DEF4:Unearth. pick-up setting U0set(I0Sinf) >>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6548           |                                                   |        |        | HR6547 (Lo-16bits)             |
| HR6549           | DEF4:Unearth. pick-up setting U0set(I0Sinf) >>>>  | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6550           |                                                   |        |        | HR6549 (Lo-16bits)             |

| Holding Register | Parameter                                          | Access | Length | Info                           |
|------------------|----------------------------------------------------|--------|--------|--------------------------------|
| HR6551           | DEF4:Unearth. pick-up setting<br>U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6552           |                                                    |        |        | HR6551 (Lo-16bits)             |
| HR6553           | DEF4:Unearth. pick-up setting<br>U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6554           |                                                    |        |        | HR6553 (Lo-16bits)             |
| HR6555           | DEF4:Unearth. pick-up setting<br>U0set(I0Sinf)>>>> | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)     |
| HR6556           |                                                    |        |        | HR6555 (Lo-16bits)             |
| HR6557           | DEF4:Tripping area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6558           |                                                    |        |        | HR6557 (Lo-16bits)             |
| HR6559           | DEF4:Tripping area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6560           |                                                    |        |        | HR6559 (Lo-16bits)             |
| HR6561           | DEF4:Tripping area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6562           |                                                    |        |        | HR6561 (Lo-16bits)             |
| HR6563           | DEF4:Tripping area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6564           |                                                    |        |        | HR6563 (Lo-16bits)             |
| HR6565           | DEF4:Tripping area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6566           |                                                    |        |        | HR6565 (Lo-16bits)             |
| HR6567           | DEF4:Tripping area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6568           |                                                    |        |        | HR6567 (Lo-16bits)             |
| HR6569           | DEF4:Tripping area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6570           |                                                    |        |        | HR6569 (Lo-16bits)             |
| HR6571           | DEF4:Tripping area size (+/-)                      | R(W)   | 2      | FLOAT [5...135] (Hi-16bits)    |
| HR6572           |                                                    |        |        | HR6571 (Lo-16bits)             |
| HR6573           | DEF4:Tripping area center                          | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR6574           |                                                    |        |        | HR6573 (Lo-16bits)             |
| HR6575           | DEF4:Tripping area center                          | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR6576           |                                                    |        |        | HR6575 (Lo-16bits)             |
| HR6577           | DEF4:Tripping area center                          | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR6578           |                                                    |        |        | HR6577 (Lo-16bits)             |
| HR6579           | DEF4:Tripping area center                          | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits) |



| Holding Register | Parameter                                        | Access | Length | Info                                                   |
|------------------|--------------------------------------------------|--------|--------|--------------------------------------------------------|
| HR6580           |                                                  |        |        | HR6579 (Lo-16bits)                                     |
| HR6581           | DEF4:Tripping area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6582           |                                                  |        |        | HR6581 (Lo-16bits)                                     |
| HR6583           | DEF4:Tripping area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6584           |                                                  |        |        | HR6583 (Lo-16bits)                                     |
| HR6585           | DEF4:Tripping area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6586           |                                                  |        |        | HR6585 (Lo-16bits)                                     |
| HR6587           | DEF4:Tripping area center                        | R(W)   | 2      | FLOAT [-360...360] (Hi-16bits)                         |
| HR6588           |                                                  |        |        | HR6587 (Lo-16bits)                                     |
| HR6589           | DEF4:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6590           | DEF4:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6591           | DEF4:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6592           | DEF4:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6593           | DEF4:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6594           | DEF4:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6595           | DEF4:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6596           | DEF4:Delay type of broad range characteristics   | R(W)   | 1      | 0=Common time 1=Separate times for IOCosfi and IOSinfi |
| HR6597           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6598           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6599           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6600           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6601           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6602           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6603           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6604           | DEF4:Delay type                                  | R(W)   | 1      | 0=DT 1=IDMT                                            |
| HR6605           | DEF4:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                           |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR6606           |                                                  |        |        | HR6605 (Lo-16bits)           |
| HR6607           | DEF4:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6608           |                                                  |        |        | HR6607 (Lo-16bits)           |
| HR6609           | DEF4:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6610           |                                                  |        |        | HR6609 (Lo-16bits)           |
| HR6611           | DEF4:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6612           |                                                  |        |        | HR6611 (Lo-16bits)           |
| HR6613           | DEF4:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6614           |                                                  |        |        | HR6613 (Lo-16bits)           |
| HR6615           | DEF4:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6616           |                                                  |        |        | HR6615 (Lo-16bits)           |
| HR6617           | DEF4:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6618           |                                                  |        |        | HR6617 (Lo-16bits)           |
| HR6619           | DEF4:Definite operating time delay (Compensated) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6620           |                                                  |        |        | HR6619 (Lo-16bits)           |
| HR6621           | DEF4:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6622           |                                                  |        |        | HR6621 (Lo-16bits)           |
| HR6623           | DEF4:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6624           |                                                  |        |        | HR6623 (Lo-16bits)           |
| HR6625           | DEF4:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6626           |                                                  |        |        | HR6625 (Lo-16bits)           |
| HR6627           | DEF4:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6628           |                                                  |        |        | HR6627 (Lo-16bits)           |
| HR6629           | DEF4:Definite operating time delay (Unearthed)   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                      | Access | Length | Info                         |
|------------------|------------------------------------------------|--------|--------|------------------------------|
| HR6630           |                                                |        |        | HR6629 (Lo-16bits)           |
| HR6631           | DEF4:Definite operating time delay (Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6632           |                                                |        |        | HR6631 (Lo-16bits)           |
| HR6633           | DEF4:Definite operating time delay (Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6634           |                                                |        |        | HR6633 (Lo-16bits)           |
| HR6635           | DEF4:Definite operating time delay (Unearthed) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6636           |                                                |        |        | HR6635 (Lo-16bits)           |
| HR6637           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6638           |                                                |        |        | HR6637 (Lo-16bits)           |
| HR6639           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6640           |                                                |        |        | HR6639 (Lo-16bits)           |
| HR6641           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6642           |                                                |        |        | HR6641 (Lo-16bits)           |
| HR6643           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6644           |                                                |        |        | HR6643 (Lo-16bits)           |
| HR6645           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6646           |                                                |        |        | HR6645 (Lo-16bits)           |
| HR6647           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6648           |                                                |        |        | HR6647 (Lo-16bits)           |
| HR6649           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6650           |                                                |        |        | HR6649 (Lo-16bits)           |
| HR6651           | DEF4:Definite (minimum) operating time delay   | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6652           |                                                |        |        | HR6651 (Lo-16bits)           |
| HR6653           | DEF4:Delay curve series                        | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR6654           | DEF4:Delay curve series                        | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |

| Holding Register | Parameter                            | Access | Length | Info                                                                           |
|------------------|--------------------------------------|--------|--------|--------------------------------------------------------------------------------|
| HR6655           | DEF4:Delay curve series              | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6656           | DEF4:Delay curve series              | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6657           | DEF4:Delay curve series              | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6658           | DEF4:Delay curve series              | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6659           | DEF4:Delay curve series              | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6660           | DEF4:Delay curve series              | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                    |
| HR6661           | DEF4:Delay characteristics IEC       | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6662           | DEF4:Delay characteristics IEC       | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6663           | DEF4:Delay characteristics IEC       | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6664           | DEF4:Delay characteristics IEC       | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6665           | DEF4:Delay characteristics IEC       | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6666           | DEF4:Delay characteristics IEC       | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6667           | DEF4:Delay characteristics IEC       | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6668           | DEF4:Delay characteristics IEC       | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                   |
| HR6669           | DEF4:Delay characteristics ANSI/IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6670           | DEF4:Delay characteristics ANSI/IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6671           | DEF4:Delay characteristics ANSI/IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6672           | DEF4:Delay characteristics ANSI/IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6673           | DEF4:Delay characteristics ANSI/IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6674           | DEF4:Delay characteristics ANSI/IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6675           | DEF4:Delay characteristics ANSI/IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6676           | DEF4:Delay characteristics ANSI/IEEE | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LTI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |

| Holding Register | Parameter                               | Access | Length | Info                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------|
| HR6677           | DEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR6678           | DEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR6679           | DEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR6680           | DEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR6681           | DEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR6682           | DEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR6683           | DEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR6684           | DEF4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type           |
| HR6685           | DEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6686           |                                         |        |        | HR6685 (Lo-16bits)            |
| HR6687           | DEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6688           |                                         |        |        | HR6687 (Lo-16bits)            |
| HR6689           | DEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6690           |                                         |        |        | HR6689 (Lo-16bits)            |
| HR6691           | DEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6692           |                                         |        |        | HR6691 (Lo-16bits)            |
| HR6693           | DEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6694           |                                         |        |        | HR6693 (Lo-16bits)            |
| HR6695           | DEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6696           |                                         |        |        | HR6695 (Lo-16bits)            |
| HR6697           | DEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6698           |                                         |        |        | HR6697 (Lo-16bits)            |
| HR6699           | DEF4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6700           |                                         |        |        | HR6699 (Lo-16bits)            |
| HR6701           | DEF4:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6702           |                                         |        |        | HR6701 (Lo-16bits)            |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR6703           | DEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6704           |                      |        |        | HR6703 (Lo-16bits)          |
| HR6705           | DEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6706           |                      |        |        | HR6705 (Lo-16bits)          |
| HR6707           | DEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6708           |                      |        |        | HR6707 (Lo-16bits)          |
| HR6709           | DEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6710           |                      |        |        | HR6709 (Lo-16bits)          |
| HR6711           | DEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6712           |                      |        |        | HR6711 (Lo-16bits)          |
| HR6713           | DEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6714           |                      |        |        | HR6713 (Lo-16bits)          |
| HR6715           | DEF4:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6716           |                      |        |        | HR6715 (Lo-16bits)          |
| HR6717           | DEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6718           |                      |        |        | HR6717 (Lo-16bits)          |
| HR6719           | DEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6720           |                      |        |        | HR6719 (Lo-16bits)          |
| HR6721           | DEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6722           |                      |        |        | HR6721 (Lo-16bits)          |
| HR6723           | DEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6724           |                      |        |        | HR6723 (Lo-16bits)          |
| HR6725           | DEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6726           |                      |        |        | HR6725 (Lo-16bits)          |
| HR6727           | DEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6728           |                      |        |        | HR6727 (Lo-16bits)          |
| HR6729           | DEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6730           |                      |        |        | HR6729 (Lo-16bits)          |
| HR6731           | DEF4:IDMT constant B | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6732           |                      |        |        | HR6731 (Lo-16bits)          |

| Holding Register | Parameter                                                                 | Access | Length | Info                         |
|------------------|---------------------------------------------------------------------------|--------|--------|------------------------------|
| HR6733           | DEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6734           |                                                                           |        |        | HR6733 (Lo-16bits)           |
| HR6735           | DEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6736           |                                                                           |        |        | HR6735 (Lo-16bits)           |
| HR6737           | DEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6738           |                                                                           |        |        | HR6737 (Lo-16bits)           |
| HR6739           | DEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6740           |                                                                           |        |        | HR6739 (Lo-16bits)           |
| HR6741           | DEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6742           |                                                                           |        |        | HR6741 (Lo-16bits)           |
| HR6743           | DEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6744           |                                                                           |        |        | HR6743 (Lo-16bits)           |
| HR6745           | DEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6746           |                                                                           |        |        | HR6745 (Lo-16bits)           |
| HR6747           | DEF4:IDMT constant C                                                      | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR6748           |                                                                           |        |        | HR6747 (Lo-16bits)           |
| HR6749           | DEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6750           | DEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6751           | DEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6752           | DEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6753           | DEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6754           | DEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6755           | DEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6756           | DEF4:Inrush harmonic blocking (Internal Only Trip)                        | R(W)   | 1      | 0=No 1=Yes                   |
| HR6757           | DEF4:2nd harmonic blocking limit (I <sub>harm</sub> / I <sub>fund</sub> ) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6758           |                                                                           |        |        | HR6757 (Lo-16bits)           |

| Holding Register | Parameter                                        | Access | Length | Info                         |
|------------------|--------------------------------------------------|--------|--------|------------------------------|
| HR6759           | DEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6760           |                                                  |        |        | HR6759 (Lo-16bits)           |
| HR6761           | DEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6762           |                                                  |        |        | HR6761 (Lo-16bits)           |
| HR6763           | DEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6764           |                                                  |        |        | HR6763 (Lo-16bits)           |
| HR6765           | DEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6766           |                                                  |        |        | HR6765 (Lo-16bits)           |
| HR6767           | DEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6768           |                                                  |        |        | HR6767 (Lo-16bits)           |
| HR6769           | DEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6770           |                                                  |        |        | HR6769 (Lo-16bits)           |
| HR6771           | DEF4:2nd harmonic blocking limit (lharm / Ifund) | R(W)   | 2      | FLOAT [0.1...50] (Hi-16bits) |
| HR6772           |                                                  |        |        | HR6771 (Lo-16bits)           |
| HR6773           | DEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR6774           | DEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR6775           | DEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR6776           | DEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR6777           | DEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR6778           | DEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR6779           | DEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR6780           | DEF4:Delayed pick-up release                     | R(W)   | 1      | 0=No 1=Yes                   |
| HR6781           | DEF4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6782           |                                                  |        |        | HR6781 (Lo-16bits)           |
| HR6783           | DEF4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |
| HR6784           |                                                  |        |        | HR6783 (Lo-16bits)           |
| HR6785           | DEF4:Release time delay                          | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)  |



| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR6786           |                                                    |        |        | HR6785 (Lo-16bits)          |
| HR6787           | DEF4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6788           |                                                    |        |        | HR6787 (Lo-16bits)          |
| HR6789           | DEF4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6790           |                                                    |        |        | HR6789 (Lo-16bits)          |
| HR6791           | DEF4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6792           |                                                    |        |        | HR6791 (Lo-16bits)          |
| HR6793           | DEF4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6794           |                                                    |        |        | HR6793 (Lo-16bits)          |
| HR6795           | DEF4:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6796           |                                                    |        |        | HR6795 (Lo-16bits)          |
| HR6797           | DEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR6798           | DEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR6799           | DEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR6800           | DEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR6801           | DEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR6802           | DEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR6803           | DEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR6804           | DEF4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR6805           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR6806           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR6807           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR6808           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR6809           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                          |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR6810           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR6811           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR6812           | DEF4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR6813           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6814           |                                                    |        |        | HR6813 (Lo-16bits)            |
| HR6815           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6816           |                                                    |        |        | HR6815 (Lo-16bits)            |
| HR6817           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6818           |                                                    |        |        | HR6817 (Lo-16bits)            |
| HR6819           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6820           |                                                    |        |        | HR6819 (Lo-16bits)            |
| HR6821           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6822           |                                                    |        |        | HR6821 (Lo-16bits)            |
| HR6823           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6824           |                                                    |        |        | HR6823 (Lo-16bits)            |
| HR6825           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6826           |                                                    |        |        | HR6825 (Lo-16bits)            |
| HR6827           | CUB1:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR6828           |                                                    |        |        | HR6827 (Lo-16bits)            |
| HR6829           | CUB1:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6830           |                                                    |        |        | HR6829 (Lo-16bits)            |
| HR6831           | CUB1:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6832           |                                                    |        |        | HR6831 (Lo-16bits)            |
| HR6833           | CUB1:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6834           |                                                    |        |        | HR6833 (Lo-16bits)            |
| HR6835           | CUB1:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6836           |                                                    |        |        | HR6835 (Lo-16bits)            |
| HR6837           | CUB1:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR6838           |                                                    |        |        | HR6837 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length | Info                         |
|------------------|----------------------------|--------|--------|------------------------------|
| HR6839           | CUB1:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR6840           |                            |        |        | HR6839 (Lo-16bits)           |
| HR6841           | CUB1:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR6842           |                            |        |        | HR6841 (Lo-16bits)           |
| HR6843           | CUB1:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR6844           |                            |        |        | HR6843 (Lo-16bits)           |
| HR6845           | CUB1:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6846           |                            |        |        | HR6845 (Lo-16bits)           |
| HR6847           | CUB1:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6848           |                            |        |        | HR6847 (Lo-16bits)           |
| HR6849           | CUB1:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6850           |                            |        |        | HR6849 (Lo-16bits)           |
| HR6851           | CUB1:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6852           |                            |        |        | HR6851 (Lo-16bits)           |
| HR6853           | CUB1:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6854           |                            |        |        | HR6853 (Lo-16bits)           |
| HR6855           | CUB1:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6856           |                            |        |        | HR6855 (Lo-16bits)           |
| HR6857           | CUB1:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6858           |                            |        |        | HR6857 (Lo-16bits)           |
| HR6859           | CUB1:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR6860           |                            |        |        | HR6859 (Lo-16bits)           |
| HR6861           | CUB1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR6862           | CUB1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR6863           | CUB1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR6864           | CUB1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR6865           | CUB1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR6866           | CUB1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR6867           | CUB1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR6868           | CUB1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                  |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR6869           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6870           |                                              |        |        | HR6869 (Lo-16bits)           |
| HR6871           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6872           |                                              |        |        | HR6871 (Lo-16bits)           |
| HR6873           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6874           |                                              |        |        | HR6873 (Lo-16bits)           |
| HR6875           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6876           |                                              |        |        | HR6875 (Lo-16bits)           |
| HR6877           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6878           |                                              |        |        | HR6877 (Lo-16bits)           |
| HR6879           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6880           |                                              |        |        | HR6879 (Lo-16bits)           |
| HR6881           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6882           |                                              |        |        | HR6881 (Lo-16bits)           |
| HR6883           | CUB1:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR6884           |                                              |        |        | HR6883 (Lo-16bits)           |
| HR6885           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR6886           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR6887           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR6888           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR6889           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR6890           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR6891           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR6892           | CUB1:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR6893           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR6894           | CUB1:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |

| Holding Register | Parameter                                  | Access | Length | Info                                                                             |
|------------------|--------------------------------------------|--------|--------|----------------------------------------------------------------------------------|
| HR6895           | CUB1:Delay characteristics IEC             | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                     |
| HR6896           | CUB1:Delay characteristics IEC             | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                     |
| HR6897           | CUB1:Delay characteristics IEC             | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                     |
| HR6898           | CUB1:Delay characteristics IEC             | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                     |
| HR6899           | CUB1:Delay characteristics IEC             | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                     |
| HR6900           | CUB1:Delay characteristics IEC             | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                     |
| HR6901           | CUB1:Delay characteristics ANSI/<br>IEEE   | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI<br>4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6902           | CUB1:Delay characteristics ANSI/<br>IEEE   | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI<br>4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6903           | CUB1:Delay characteristics ANSI/<br>IEEE   | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI<br>4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6904           | CUB1:Delay characteristics ANSI/<br>IEEE   | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI<br>4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6905           | CUB1:Delay characteristics ANSI/<br>IEEE   | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI<br>4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6906           | CUB1:Delay characteristics ANSI/<br>IEEE   | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI<br>4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6907           | CUB1:Delay characteristics ANSI/<br>IEEE   | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI<br>4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6908           | CUB1:Delay characteristics ANSI/<br>IEEE   | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI<br>4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR6909           | CUB1:Non-standard delay<br>characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                     |
| HR6910           | CUB1:Non-standard delay<br>characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                     |
| HR6911           | CUB1:Non-standard delay<br>characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                     |
| HR6912           | CUB1:Non-standard delay<br>characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                     |
| HR6913           | CUB1:Non-standard delay<br>characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                     |
| HR6914           | CUB1:Non-standard delay<br>characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                     |
| HR6915           | CUB1:Non-standard delay<br>characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                     |
| HR6916           | CUB1:Non-standard delay<br>characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                     |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR6917           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6918           |                          |        |        | HR6917 (Lo-16bits)            |
| HR6919           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6920           |                          |        |        | HR6919 (Lo-16bits)            |
| HR6921           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6922           |                          |        |        | HR6921 (Lo-16bits)            |
| HR6923           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6924           |                          |        |        | HR6923 (Lo-16bits)            |
| HR6925           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6926           |                          |        |        | HR6925 (Lo-16bits)            |
| HR6927           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6928           |                          |        |        | HR6927 (Lo-16bits)            |
| HR6929           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6930           |                          |        |        | HR6929 (Lo-16bits)            |
| HR6931           | CUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR6932           |                          |        |        | HR6931 (Lo-16bits)            |
| HR6933           | CUB1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6934           |                          |        |        | HR6933 (Lo-16bits)            |
| HR6935           | CUB1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6936           |                          |        |        | HR6935 (Lo-16bits)            |
| HR6937           | CUB1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6938           |                          |        |        | HR6937 (Lo-16bits)            |
| HR6939           | CUB1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6940           |                          |        |        | HR6939 (Lo-16bits)            |
| HR6941           | CUB1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6942           |                          |        |        | HR6941 (Lo-16bits)            |
| HR6943           | CUB1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6944           |                          |        |        | HR6943 (Lo-16bits)            |
| HR6945           | CUB1:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR6946           |                          |        |        | HR6945 (Lo-16bits)            |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR6947           | CUB1:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6948           |                      |        |        | HR6947 (Lo-16bits)          |
| HR6949           | CUB1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR6950           |                      |        |        | HR6949 (Lo-16bits)          |
| HR6951           | CUB1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR6952           |                      |        |        | HR6951 (Lo-16bits)          |
| HR6953           | CUB1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR6954           |                      |        |        | HR6953 (Lo-16bits)          |
| HR6955           | CUB1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR6956           |                      |        |        | HR6955 (Lo-16bits)          |
| HR6957           | CUB1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR6958           |                      |        |        | HR6957 (Lo-16bits)          |
| HR6959           | CUB1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR6960           |                      |        |        | HR6959 (Lo-16bits)          |
| HR6961           | CUB1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR6962           |                      |        |        | HR6961 (Lo-16bits)          |
| HR6963           | CUB1:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR6964           |                      |        |        | HR6963 (Lo-16bits)          |
| HR6965           | CUB1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6966           |                      |        |        | HR6965 (Lo-16bits)          |
| HR6967           | CUB1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6968           |                      |        |        | HR6967 (Lo-16bits)          |
| HR6969           | CUB1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6970           |                      |        |        | HR6969 (Lo-16bits)          |
| HR6971           | CUB1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6972           |                      |        |        | HR6971 (Lo-16bits)          |
| HR6973           | CUB1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6974           |                      |        |        | HR6973 (Lo-16bits)          |
| HR6975           | CUB1:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6976           |                      |        |        | HR6975 (Lo-16bits)          |

| Holding Register | Parameter                                         | Access | Length | Info                        |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR6977           | CUB1:IDMT constant C                              | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6978           |                                                   |        |        | HR6977 (Lo-16bits)          |
| HR6979           | CUB1:IDMT constant C                              | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR6980           |                                                   |        |        | HR6979 (Lo-16bits)          |
| HR6981           | CUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR6982           | CUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR6983           | CUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR6984           | CUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR6985           | CUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR6986           | CUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR6987           | CUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR6988           | CUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR6989           | CUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6990           |                                                   |        |        | HR6989 (Lo-16bits)          |
| HR6991           | CUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6992           |                                                   |        |        | HR6991 (Lo-16bits)          |
| HR6993           | CUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6994           |                                                   |        |        | HR6993 (Lo-16bits)          |
| HR6995           | CUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6996           |                                                   |        |        | HR6995 (Lo-16bits)          |
| HR6997           | CUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR6998           |                                                   |        |        | HR6997 (Lo-16bits)          |
| HR6999           | CUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7000           |                                                   |        |        | HR6999 (Lo-16bits)          |
| HR7001           | CUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7002           |                                                   |        |        | HR7001 (Lo-16bits)          |
| HR7003           | CUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7004           |                                                   |        |        | HR7003 (Lo-16bits)          |
| HR7005           | CUB1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |



| Holding Register | Parameter                                          | Access | Length | Info                          |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7006           | CUB1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7007           | CUB1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7008           | CUB1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7009           | CUB1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7010           | CUB1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7011           | CUB1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7012           | CUB1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7013           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7014           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7015           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7016           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7017           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7018           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7019           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7020           | CUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7021           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7022           |                                                    |        |        | HR7021 (Lo-16bits)            |
| HR7023           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7024           |                                                    |        |        | HR7023 (Lo-16bits)            |
| HR7025           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7026           |                                                    |        |        | HR7025 (Lo-16bits)            |
| HR7027           | CUB2:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7028           |                                                    |        |        | HR7027 (Lo-16bits)            |

| Holding Register | Parameter                     | Access | Length | Info                          |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7029           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7030           |                               |        |        | HR7029 (Lo-16bits)            |
| HR7031           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7032           |                               |        |        | HR7031 (Lo-16bits)            |
| HR7033           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7034           |                               |        |        | HR7033 (Lo-16bits)            |
| HR7035           | CUB2:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7036           |                               |        |        | HR7035 (Lo-16bits)            |
| HR7037           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7038           |                               |        |        | HR7037 (Lo-16bits)            |
| HR7039           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7040           |                               |        |        | HR7039 (Lo-16bits)            |
| HR7041           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7042           |                               |        |        | HR7041 (Lo-16bits)            |
| HR7043           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7044           |                               |        |        | HR7043 (Lo-16bits)            |
| HR7045           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7046           |                               |        |        | HR7045 (Lo-16bits)            |
| HR7047           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7048           |                               |        |        | HR7047 (Lo-16bits)            |
| HR7049           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7050           |                               |        |        | HR7049 (Lo-16bits)            |
| HR7051           | CUB2:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7052           |                               |        |        | HR7051 (Lo-16bits)            |
| HR7053           | CUB2:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7054           |                               |        |        | HR7053 (Lo-16bits)            |
| HR7055           | CUB2:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7056           |                               |        |        | HR7055 (Lo-16bits)            |
| HR7057           | CUB2:Minimum phase current    | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits)  |
| HR7058           |                               |        |        | HR7057 (Lo-16bits)            |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7059           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7060           |                                              |        |        | HR7059 (Lo-16bits)           |
| HR7061           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7062           |                                              |        |        | HR7061 (Lo-16bits)           |
| HR7063           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7064           |                                              |        |        | HR7063 (Lo-16bits)           |
| HR7065           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7066           |                                              |        |        | HR7065 (Lo-16bits)           |
| HR7067           | CUB2:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7068           |                                              |        |        | HR7067 (Lo-16bits)           |
| HR7069           | CUB2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7070           | CUB2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7071           | CUB2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7072           | CUB2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7073           | CUB2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7074           | CUB2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7075           | CUB2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7076           | CUB2:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7077           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7078           |                                              |        |        | HR7077 (Lo-16bits)           |
| HR7079           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7080           |                                              |        |        | HR7079 (Lo-16bits)           |
| HR7081           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7082           |                                              |        |        | HR7081 (Lo-16bits)           |
| HR7083           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7084           |                                              |        |        | HR7083 (Lo-16bits)           |
| HR7085           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7086           |                                              |        |        | HR7085 (Lo-16bits)           |

| Holding Register | Parameter                                    | Access | Length | Info                                                                          |
|------------------|----------------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR7087           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR7088           |                                              |        |        | HR7087 (Lo-16bits)                                                            |
| HR7089           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR7090           |                                              |        |        | HR7089 (Lo-16bits)                                                            |
| HR7091           | CUB2:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)                                                  |
| HR7092           |                                              |        |        | HR7091 (Lo-16bits)                                                            |
| HR7093           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7094           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7095           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7096           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7097           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7098           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7099           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7100           | CUB2:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7101           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7102           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7103           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7104           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7105           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7106           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7107           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7108           | CUB2:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7109           | CUB2:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7110           | CUB2:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7111           | CUB2:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7112           | CUB2:Delay characteristics ANSI/IEEE         | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |

| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR7113           | CUB2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7114           | CUB2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7115           | CUB2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7116           | CUB2:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7117           | CUB2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7118           | CUB2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7119           | CUB2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7120           | CUB2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7121           | CUB2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7122           | CUB2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7123           | CUB2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7124           | CUB2:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7125           | CUB2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR7126           |                                         |        |        | HR7125 (Lo-16bits)                                                            |
| HR7127           | CUB2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR7128           |                                         |        |        | HR7127 (Lo-16bits)                                                            |
| HR7129           | CUB2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR7130           |                                         |        |        | HR7129 (Lo-16bits)                                                            |
| HR7131           | CUB2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR7132           |                                         |        |        | HR7131 (Lo-16bits)                                                            |
| HR7133           | CUB2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR7134           |                                         |        |        | HR7133 (Lo-16bits)                                                            |
| HR7135           | CUB2:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR7136           |                                         |        |        | HR7135 (Lo-16bits)                                                            |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7137           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7138           |                          |        |        | HR7137 (Lo-16bits)            |
| HR7139           | CUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7140           |                          |        |        | HR7139 (Lo-16bits)            |
| HR7141           | CUB2:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7142           |                          |        |        | HR7141 (Lo-16bits)            |
| HR7143           | CUB2:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7144           |                          |        |        | HR7143 (Lo-16bits)            |
| HR7145           | CUB2:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7146           |                          |        |        | HR7145 (Lo-16bits)            |
| HR7147           | CUB2:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7148           |                          |        |        | HR7147 (Lo-16bits)            |
| HR7149           | CUB2:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7150           |                          |        |        | HR7149 (Lo-16bits)            |
| HR7151           | CUB2:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7152           |                          |        |        | HR7151 (Lo-16bits)            |
| HR7153           | CUB2:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7154           |                          |        |        | HR7153 (Lo-16bits)            |
| HR7155           | CUB2:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7156           |                          |        |        | HR7155 (Lo-16bits)            |
| HR7157           | CUB2:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR7158           |                          |        |        | HR7157 (Lo-16bits)            |
| HR7159           | CUB2:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR7160           |                          |        |        | HR7159 (Lo-16bits)            |
| HR7161           | CUB2:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR7162           |                          |        |        | HR7161 (Lo-16bits)            |
| HR7163           | CUB2:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR7164           |                          |        |        | HR7163 (Lo-16bits)            |
| HR7165           | CUB2:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR7166           |                          |        |        | HR7165 (Lo-16bits)            |

| Holding Register | Parameter                    | Access | Length | Info                        |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7167           | CUB2:IDMT constant B         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7168           |                              |        |        | HR7167 (Lo-16bits)          |
| HR7169           | CUB2:IDMT constant B         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7170           |                              |        |        | HR7169 (Lo-16bits)          |
| HR7171           | CUB2:IDMT constant B         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7172           |                              |        |        | HR7171 (Lo-16bits)          |
| HR7173           | CUB2:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7174           |                              |        |        | HR7173 (Lo-16bits)          |
| HR7175           | CUB2:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7176           |                              |        |        | HR7175 (Lo-16bits)          |
| HR7177           | CUB2:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7178           |                              |        |        | HR7177 (Lo-16bits)          |
| HR7179           | CUB2:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7180           |                              |        |        | HR7179 (Lo-16bits)          |
| HR7181           | CUB2:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7182           |                              |        |        | HR7181 (Lo-16bits)          |
| HR7183           | CUB2:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7184           |                              |        |        | HR7183 (Lo-16bits)          |
| HR7185           | CUB2:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7186           |                              |        |        | HR7185 (Lo-16bits)          |
| HR7187           | CUB2:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7188           |                              |        |        | HR7187 (Lo-16bits)          |
| HR7189           | CUB2:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7190           | CUB2:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7191           | CUB2:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7192           | CUB2:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7193           | CUB2:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7194           | CUB2:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7195           | CUB2:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7196           | CUB2:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR7197           | CUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7198           |                                                    |        |        | HR7197 (Lo-16bits)          |
| HR7199           | CUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7200           |                                                    |        |        | HR7199 (Lo-16bits)          |
| HR7201           | CUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7202           |                                                    |        |        | HR7201 (Lo-16bits)          |
| HR7203           | CUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7204           |                                                    |        |        | HR7203 (Lo-16bits)          |
| HR7205           | CUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7206           |                                                    |        |        | HR7205 (Lo-16bits)          |
| HR7207           | CUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7208           |                                                    |        |        | HR7207 (Lo-16bits)          |
| HR7209           | CUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7210           |                                                    |        |        | HR7209 (Lo-16bits)          |
| HR7211           | CUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7212           |                                                    |        |        | HR7211 (Lo-16bits)          |
| HR7213           | CUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7214           | CUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7215           | CUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7216           | CUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7217           | CUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7218           | CUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7219           | CUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7220           | CUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7221           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |



| Holding Register | Parameter                                          | Access | Length | Info                          |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7222           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7223           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7224           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7225           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7226           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7227           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7228           | CUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7229           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7230           |                                                    |        |        | HR7229 (Lo-16bits)            |
| HR7231           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7232           |                                                    |        |        | HR7231 (Lo-16bits)            |
| HR7233           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7234           |                                                    |        |        | HR7233 (Lo-16bits)            |
| HR7235           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7236           |                                                    |        |        | HR7235 (Lo-16bits)            |
| HR7237           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7238           |                                                    |        |        | HR7237 (Lo-16bits)            |
| HR7239           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7240           |                                                    |        |        | HR7239 (Lo-16bits)            |
| HR7241           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7242           |                                                    |        |        | HR7241 (Lo-16bits)            |
| HR7243           | CUB3:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7244           |                                                    |        |        | HR7243 (Lo-16bits)            |
| HR7245           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7246           |                                                    |        |        | HR7245 (Lo-16bits)            |
| HR7247           | CUB3:Pick-up setting I2/I1                         | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7248           |                                                    |        |        | HR7247 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length | Info                         |
|------------------|----------------------------|--------|--------|------------------------------|
| HR7249           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7250           |                            |        |        | HR7249 (Lo-16bits)           |
| HR7251           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7252           |                            |        |        | HR7251 (Lo-16bits)           |
| HR7253           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7254           |                            |        |        | HR7253 (Lo-16bits)           |
| HR7255           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7256           |                            |        |        | HR7255 (Lo-16bits)           |
| HR7257           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7258           |                            |        |        | HR7257 (Lo-16bits)           |
| HR7259           | CUB3:Pick-up setting I2/I1 | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)  |
| HR7260           |                            |        |        | HR7259 (Lo-16bits)           |
| HR7261           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7262           |                            |        |        | HR7261 (Lo-16bits)           |
| HR7263           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7264           |                            |        |        | HR7263 (Lo-16bits)           |
| HR7265           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7266           |                            |        |        | HR7265 (Lo-16bits)           |
| HR7267           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7268           |                            |        |        | HR7267 (Lo-16bits)           |
| HR7269           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7270           |                            |        |        | HR7269 (Lo-16bits)           |
| HR7271           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7272           |                            |        |        | HR7271 (Lo-16bits)           |
| HR7273           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7274           |                            |        |        | HR7273 (Lo-16bits)           |
| HR7275           | CUB3:Minimum phase current | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7276           |                            |        |        | HR7275 (Lo-16bits)           |
| HR7277           | CUB3:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7278           | CUB3:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                  |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7279           | CUB3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7280           | CUB3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7281           | CUB3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7282           | CUB3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7283           | CUB3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7284           | CUB3:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7285           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7286           |                                              |        |        | HR7285 (Lo-16bits)           |
| HR7287           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7288           |                                              |        |        | HR7287 (Lo-16bits)           |
| HR7289           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7290           |                                              |        |        | HR7289 (Lo-16bits)           |
| HR7291           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7292           |                                              |        |        | HR7291 (Lo-16bits)           |
| HR7293           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7294           |                                              |        |        | HR7293 (Lo-16bits)           |
| HR7295           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7296           |                                              |        |        | HR7295 (Lo-16bits)           |
| HR7297           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7298           |                                              |        |        | HR7297 (Lo-16bits)           |
| HR7299           | CUB3:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7300           |                                              |        |        | HR7299 (Lo-16bits)           |
| HR7301           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7302           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7303           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7304           | CUB3:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |

| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR7305           | CUB3:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7306           | CUB3:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7307           | CUB3:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7308           | CUB3:Delay curve series                 | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard                                                   |
| HR7309           | CUB3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7310           | CUB3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7311           | CUB3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7312           | CUB3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7313           | CUB3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7314           | CUB3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7315           | CUB3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7316           | CUB3:Delay characteristics IEC          | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param                                                  |
| HR7317           | CUB3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7318           | CUB3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7319           | CUB3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7320           | CUB3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7321           | CUB3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7322           | CUB3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7323           | CUB3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7324           | CUB3:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7325           | CUB3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7326           | CUB3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7327           | CUB3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7328           | CUB3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |

| Holding Register | Parameter                               | Access | Length | Info                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------|
| HR7329           | CUB3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2  |
| HR7330           | CUB3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2  |
| HR7331           | CUB3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2  |
| HR7332           | CUB3:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2  |
| HR7333           | CUB3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7334           |                                         |        |        | HR7333 (Lo-16bits)            |
| HR7335           | CUB3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7336           |                                         |        |        | HR7335 (Lo-16bits)            |
| HR7337           | CUB3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7338           |                                         |        |        | HR7337 (Lo-16bits)            |
| HR7339           | CUB3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7340           |                                         |        |        | HR7339 (Lo-16bits)            |
| HR7341           | CUB3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7342           |                                         |        |        | HR7341 (Lo-16bits)            |
| HR7343           | CUB3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7344           |                                         |        |        | HR7343 (Lo-16bits)            |
| HR7345           | CUB3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7346           |                                         |        |        | HR7345 (Lo-16bits)            |
| HR7347           | CUB3:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7348           |                                         |        |        | HR7347 (Lo-16bits)            |
| HR7349           | CUB3:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7350           |                                         |        |        | HR7349 (Lo-16bits)            |
| HR7351           | CUB3:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7352           |                                         |        |        | HR7351 (Lo-16bits)            |
| HR7353           | CUB3:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7354           |                                         |        |        | HR7353 (Lo-16bits)            |
| HR7355           | CUB3:IDMT constant A                    | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7356           |                                         |        |        | HR7355 (Lo-16bits)            |

| Holding Register | Parameter            | Access | Length | Info                        |
|------------------|----------------------|--------|--------|-----------------------------|
| HR7357           | CUB3:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7358           |                      |        |        | HR7357 (Lo-16bits)          |
| HR7359           | CUB3:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7360           |                      |        |        | HR7359 (Lo-16bits)          |
| HR7361           | CUB3:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7362           |                      |        |        | HR7361 (Lo-16bits)          |
| HR7363           | CUB3:IDMT constant A | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7364           |                      |        |        | HR7363 (Lo-16bits)          |
| HR7365           | CUB3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7366           |                      |        |        | HR7365 (Lo-16bits)          |
| HR7367           | CUB3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7368           |                      |        |        | HR7367 (Lo-16bits)          |
| HR7369           | CUB3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7370           |                      |        |        | HR7369 (Lo-16bits)          |
| HR7371           | CUB3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7372           |                      |        |        | HR7371 (Lo-16bits)          |
| HR7373           | CUB3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7374           |                      |        |        | HR7373 (Lo-16bits)          |
| HR7375           | CUB3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7376           |                      |        |        | HR7375 (Lo-16bits)          |
| HR7377           | CUB3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7378           |                      |        |        | HR7377 (Lo-16bits)          |
| HR7379           | CUB3:IDMT constant B | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7380           |                      |        |        | HR7379 (Lo-16bits)          |
| HR7381           | CUB3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7382           |                      |        |        | HR7381 (Lo-16bits)          |
| HR7383           | CUB3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7384           |                      |        |        | HR7383 (Lo-16bits)          |
| HR7385           | CUB3:IDMT constant C | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7386           |                      |        |        | HR7385 (Lo-16bits)          |

| Holding Register | Parameter                    | Access | Length | Info                        |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7387           | CUB3:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7388           |                              |        |        | HR7387 (Lo-16bits)          |
| HR7389           | CUB3:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7390           |                              |        |        | HR7389 (Lo-16bits)          |
| HR7391           | CUB3:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7392           |                              |        |        | HR7391 (Lo-16bits)          |
| HR7393           | CUB3:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7394           |                              |        |        | HR7393 (Lo-16bits)          |
| HR7395           | CUB3:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7396           |                              |        |        | HR7395 (Lo-16bits)          |
| HR7397           | CUB3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7398           | CUB3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7399           | CUB3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7400           | CUB3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7401           | CUB3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7402           | CUB3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7403           | CUB3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7404           | CUB3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7405           | CUB3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7406           |                              |        |        | HR7405 (Lo-16bits)          |
| HR7407           | CUB3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7408           |                              |        |        | HR7407 (Lo-16bits)          |
| HR7409           | CUB3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7410           |                              |        |        | HR7409 (Lo-16bits)          |
| HR7411           | CUB3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7412           |                              |        |        | HR7411 (Lo-16bits)          |
| HR7413           | CUB3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7414           |                              |        |        | HR7413 (Lo-16bits)          |
| HR7415           | CUB3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7416           |                              |        |        | HR7415 (Lo-16bits)          |

| Holding Register | Parameter                                          | Access | Length | Info                          |
|------------------|----------------------------------------------------|--------|--------|-------------------------------|
| HR7417           | CUB3:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7418           |                                                    |        |        | HR7417 (Lo-16bits)            |
| HR7419           | CUB3:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7420           |                                                    |        |        | HR7419 (Lo-16bits)            |
| HR7421           | CUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7422           | CUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7423           | CUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7424           | CUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7425           | CUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7426           | CUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7427           | CUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7428           | CUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                    |
| HR7429           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7430           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7431           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7432           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7433           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7434           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7435           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7436           | CUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                    |
| HR7437           | CUB4:Pick-up setting I2set pu                      | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7438           |                                                    |        |        | HR7437 (Lo-16bits)            |



| Holding Register | Parameter                     | Access | Length | Info                          |
|------------------|-------------------------------|--------|--------|-------------------------------|
| HR7439           | CUB4:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7440           |                               |        |        | HR7439 (Lo-16bits)            |
| HR7441           | CUB4:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7442           |                               |        |        | HR7441 (Lo-16bits)            |
| HR7443           | CUB4:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7444           |                               |        |        | HR7443 (Lo-16bits)            |
| HR7445           | CUB4:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7446           |                               |        |        | HR7445 (Lo-16bits)            |
| HR7447           | CUB4:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7448           |                               |        |        | HR7447 (Lo-16bits)            |
| HR7449           | CUB4:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7450           |                               |        |        | HR7449 (Lo-16bits)            |
| HR7451           | CUB4:Pick-up setting I2set pu | R(W)   | 2      | FLOAT [0.01...40] (Hi-16bits) |
| HR7452           |                               |        |        | HR7451 (Lo-16bits)            |
| HR7453           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7454           |                               |        |        | HR7453 (Lo-16bits)            |
| HR7455           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7456           |                               |        |        | HR7455 (Lo-16bits)            |
| HR7457           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7458           |                               |        |        | HR7457 (Lo-16bits)            |
| HR7459           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7460           |                               |        |        | HR7459 (Lo-16bits)            |
| HR7461           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7462           |                               |        |        | HR7461 (Lo-16bits)            |
| HR7463           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7464           |                               |        |        | HR7463 (Lo-16bits)            |
| HR7465           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7466           |                               |        |        | HR7465 (Lo-16bits)            |
| HR7467           | CUB4:Pick-up setting I2/I1    | R(W)   | 2      | FLOAT [1...200] (Hi-16bits)   |
| HR7468           |                               |        |        | HR7467 (Lo-16bits)            |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7469           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7470           |                                              |        |        | HR7469 (Lo-16bits)           |
| HR7471           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7472           |                                              |        |        | HR7471 (Lo-16bits)           |
| HR7473           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7474           |                                              |        |        | HR7473 (Lo-16bits)           |
| HR7475           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7476           |                                              |        |        | HR7475 (Lo-16bits)           |
| HR7477           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7478           |                                              |        |        | HR7477 (Lo-16bits)           |
| HR7479           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7480           |                                              |        |        | HR7479 (Lo-16bits)           |
| HR7481           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7482           |                                              |        |        | HR7481 (Lo-16bits)           |
| HR7483           | CUB4:Minimum phase current                   | R(W)   | 2      | FLOAT [0.01...2] (Hi-16bits) |
| HR7484           |                                              |        |        | HR7483 (Lo-16bits)           |
| HR7485           | CUB4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7486           | CUB4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7487           | CUB4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7488           | CUB4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7489           | CUB4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7490           | CUB4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7491           | CUB4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7492           | CUB4:Delay type                              | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR7493           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7494           |                                              |        |        | HR7493 (Lo-16bits)           |
| HR7495           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7496           |                                              |        |        | HR7495 (Lo-16bits)           |
| HR7497           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR7498           |                                              |        |        | HR7497 (Lo-16bits)           |
| HR7499           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7500           |                                              |        |        | HR7499 (Lo-16bits)           |
| HR7501           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7502           |                                              |        |        | HR7501 (Lo-16bits)           |
| HR7503           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7504           |                                              |        |        | HR7503 (Lo-16bits)           |
| HR7505           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7506           |                                              |        |        | HR7505 (Lo-16bits)           |
| HR7507           | CUB4:Definite (minimum) operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR7508           |                                              |        |        | HR7507 (Lo-16bits)           |
| HR7509           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7510           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7511           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7512           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7513           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7514           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7515           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7516           | CUB4:Delay curve series                      | R(W)   | 1      | 0=IEC 1=IEEE 2=Non standard  |
| HR7517           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR7518           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR7519           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR7520           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR7521           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR7522           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR7523           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |
| HR7524           | CUB4:Delay characteristics IEC               | R(W)   | 1      | 0=NI 1=EI 2=VI 3=LTI 4=Param |

| Holding Register | Parameter                               | Access | Length | Info                                                                          |
|------------------|-----------------------------------------|--------|--------|-------------------------------------------------------------------------------|
| HR7525           | CUB4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7526           | CUB4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7527           | CUB4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7528           | CUB4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7529           | CUB4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7530           | CUB4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7531           | CUB4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7532           | CUB4:Delay characteristics ANSI/IEEE    | R(W)   | 1      | 0=ANSI NI 1=ANSI VI 2=ANSI EI 3=ANSI LI 4=IEEE MI 5=IEEE VI 6=IEEE EI 7=Param |
| HR7533           | CUB4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7534           | CUB4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7535           | CUB4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7536           | CUB4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7537           | CUB4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7538           | CUB4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7539           | CUB4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7540           | CUB4:Non-standard delay characteristics | R(W)   | 1      | 0=RI-type 1=RD-type 2=Curve2                                                  |
| HR7541           | CUB4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR7542           |                                         |        |        | HR7541 (Lo-16bits)                                                            |
| HR7543           | CUB4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR7544           |                                         |        |        | HR7543 (Lo-16bits)                                                            |
| HR7545           | CUB4:Time dial setting k                | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits)                                                 |
| HR7546           |                                         |        |        | HR7545 (Lo-16bits)                                                            |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR7547           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7548           |                          |        |        | HR7547 (Lo-16bits)            |
| HR7549           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7550           |                          |        |        | HR7549 (Lo-16bits)            |
| HR7551           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7552           |                          |        |        | HR7551 (Lo-16bits)            |
| HR7553           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7554           |                          |        |        | HR7553 (Lo-16bits)            |
| HR7555           | CUB4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7556           |                          |        |        | HR7555 (Lo-16bits)            |
| HR7557           | CUB4:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7558           |                          |        |        | HR7557 (Lo-16bits)            |
| HR7559           | CUB4:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7560           |                          |        |        | HR7559 (Lo-16bits)            |
| HR7561           | CUB4:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7562           |                          |        |        | HR7561 (Lo-16bits)            |
| HR7563           | CUB4:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7564           |                          |        |        | HR7563 (Lo-16bits)            |
| HR7565           | CUB4:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7566           |                          |        |        | HR7565 (Lo-16bits)            |
| HR7567           | CUB4:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7568           |                          |        |        | HR7567 (Lo-16bits)            |
| HR7569           | CUB4:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7570           |                          |        |        | HR7569 (Lo-16bits)            |
| HR7571           | CUB4:IDMT constant A     | R(W)   | 2      | FLOAT [0...250] (Hi-16bits)   |
| HR7572           |                          |        |        | HR7571 (Lo-16bits)            |
| HR7573           | CUB4:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR7574           |                          |        |        | HR7573 (Lo-16bits)            |
| HR7575           | CUB4:IDMT constant B     | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)     |
| HR7576           |                          |        |        | HR7575 (Lo-16bits)            |

| Holding Register | Parameter                    | Access | Length | Info                        |
|------------------|------------------------------|--------|--------|-----------------------------|
| HR7577           | CUB4:IDMT constant B         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7578           |                              |        |        | HR7577 (Lo-16bits)          |
| HR7579           | CUB4:IDMT constant B         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7580           |                              |        |        | HR7579 (Lo-16bits)          |
| HR7581           | CUB4:IDMT constant B         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7582           |                              |        |        | HR7581 (Lo-16bits)          |
| HR7583           | CUB4:IDMT constant B         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7584           |                              |        |        | HR7583 (Lo-16bits)          |
| HR7585           | CUB4:IDMT constant B         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7586           |                              |        |        | HR7585 (Lo-16bits)          |
| HR7587           | CUB4:IDMT constant B         | R(W)   | 2      | FLOAT [0...5] (Hi-16bits)   |
| HR7588           |                              |        |        | HR7587 (Lo-16bits)          |
| HR7589           | CUB4:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7590           |                              |        |        | HR7589 (Lo-16bits)          |
| HR7591           | CUB4:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7592           |                              |        |        | HR7591 (Lo-16bits)          |
| HR7593           | CUB4:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7594           |                              |        |        | HR7593 (Lo-16bits)          |
| HR7595           | CUB4:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7596           |                              |        |        | HR7595 (Lo-16bits)          |
| HR7597           | CUB4:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7598           |                              |        |        | HR7597 (Lo-16bits)          |
| HR7599           | CUB4:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7600           |                              |        |        | HR7599 (Lo-16bits)          |
| HR7601           | CUB4:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7602           |                              |        |        | HR7601 (Lo-16bits)          |
| HR7603           | CUB4:IDMT constant C         | R(W)   | 2      | FLOAT [0...250] (Hi-16bits) |
| HR7604           |                              |        |        | HR7603 (Lo-16bits)          |
| HR7605           | CUB4:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |
| HR7606           | CUB4:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                         | Access | Length | Info                        |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR7607           | CUB4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR7608           | CUB4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR7609           | CUB4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR7610           | CUB4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR7611           | CUB4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR7612           | CUB4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR7613           | CUB4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7614           |                                                   |        |        | HR7613 (Lo-16bits)          |
| HR7615           | CUB4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7616           |                                                   |        |        | HR7615 (Lo-16bits)          |
| HR7617           | CUB4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7618           |                                                   |        |        | HR7617 (Lo-16bits)          |
| HR7619           | CUB4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7620           |                                                   |        |        | HR7619 (Lo-16bits)          |
| HR7621           | CUB4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7622           |                                                   |        |        | HR7621 (Lo-16bits)          |
| HR7623           | CUB4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7624           |                                                   |        |        | HR7623 (Lo-16bits)          |
| HR7625           | CUB4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7626           |                                                   |        |        | HR7625 (Lo-16bits)          |
| HR7627           | CUB4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7628           |                                                   |        |        | HR7627 (Lo-16bits)          |
| HR7629           | CUB4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR7630           | CUB4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR7631           | CUB4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR7632           | CUB4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR7633           | CUB4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                                  |
|------------------|----------------------------------------------------|--------|--------|---------------------------------------|
| HR7634           | CUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7635           | CUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7636           | CUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7637           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7638           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7639           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7640           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7641           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7642           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7643           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7644           | CUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7645           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7646           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7647           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7648           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7649           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7650           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7651           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7652           | OV1:Pick-up terms                                  | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7653           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7654           |                                                    |        |        | HR7653 (Lo-16bits)                    |
| HR7655           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7656           |                                                    |        |        | HR7655 (Lo-16bits)                    |
| HR7657           | OV1:Pick-up setting Uset                           | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7658           |                                                    |        |        | HR7657 (Lo-16bits)                    |



| Holding Register | Parameter                         | Access | Length | Info                           |
|------------------|-----------------------------------|--------|--------|--------------------------------|
| HR7659           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR7660           |                                   |        |        | HR7659 (Lo-16bits)             |
| HR7661           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR7662           |                                   |        |        | HR7661 (Lo-16bits)             |
| HR7663           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR7664           |                                   |        |        | HR7663 (Lo-16bits)             |
| HR7665           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR7666           |                                   |        |        | HR7665 (Lo-16bits)             |
| HR7667           | OV1:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR7668           |                                   |        |        | HR7667 (Lo-16bits)             |
| HR7669           | OV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR7670           | OV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR7671           | OV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR7672           | OV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR7673           | OV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR7674           | OV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR7675           | OV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR7676           | OV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR7677           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR7678           |                                   |        |        | HR7677 (Lo-16bits)             |
| HR7679           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR7680           |                                   |        |        | HR7679 (Lo-16bits)             |
| HR7681           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR7682           |                                   |        |        | HR7681 (Lo-16bits)             |
| HR7683           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR7684           |                                   |        |        | HR7683 (Lo-16bits)             |
| HR7685           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR7686           |                                   |        |        | HR7685 (Lo-16bits)             |
| HR7687           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR7688           |                                   |        |        | HR7687 (Lo-16bits)             |

| Holding Register | Parameter                         | Access | Length | Info                          |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR7689           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7690           |                                   |        |        | HR7689 (Lo-16bits)            |
| HR7691           | OV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7692           |                                   |        |        | HR7691 (Lo-16bits)            |
| HR7693           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7694           |                                   |        |        | HR7693 (Lo-16bits)            |
| HR7695           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7696           |                                   |        |        | HR7695 (Lo-16bits)            |
| HR7697           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7698           |                                   |        |        | HR7697 (Lo-16bits)            |
| HR7699           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7700           |                                   |        |        | HR7699 (Lo-16bits)            |
| HR7701           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7702           |                                   |        |        | HR7701 (Lo-16bits)            |
| HR7703           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7704           |                                   |        |        | HR7703 (Lo-16bits)            |
| HR7705           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7706           |                                   |        |        | HR7705 (Lo-16bits)            |
| HR7707           | OV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7708           |                                   |        |        | HR7707 (Lo-16bits)            |
| HR7709           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7710           |                                   |        |        | HR7709 (Lo-16bits)            |
| HR7711           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7712           |                                   |        |        | HR7711 (Lo-16bits)            |
| HR7713           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7714           |                                   |        |        | HR7713 (Lo-16bits)            |
| HR7715           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7716           |                                   |        |        | HR7715 (Lo-16bits)            |
| HR7717           | OV1:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7718           |                                   |        |        | HR7717 (Lo-16bits)            |

| Holding Register | Parameter                   | Access | Length | Info                          |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR7719           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7720           |                             |        |        | HR7719 (Lo-16bits)            |
| HR7721           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7722           |                             |        |        | HR7721 (Lo-16bits)            |
| HR7723           | OV1:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7724           |                             |        |        | HR7723 (Lo-16bits)            |
| HR7725           | OV1:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7726           |                             |        |        | HR7725 (Lo-16bits)            |
| HR7727           | OV1:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7728           |                             |        |        | HR7727 (Lo-16bits)            |
| HR7729           | OV1:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7730           |                             |        |        | HR7729 (Lo-16bits)            |
| HR7731           | OV1:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7732           |                             |        |        | HR7731 (Lo-16bits)            |
| HR7733           | OV1:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7734           |                             |        |        | HR7733 (Lo-16bits)            |
| HR7735           | OV1:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7736           |                             |        |        | HR7735 (Lo-16bits)            |
| HR7737           | OV1:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7738           |                             |        |        | HR7737 (Lo-16bits)            |
| HR7739           | OV1:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7740           |                             |        |        | HR7739 (Lo-16bits)            |
| HR7741           | OV1:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR7742           | OV1:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR7743           | OV1:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR7744           | OV1:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR7745           | OV1:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR7746           | OV1:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR7747           | OV1:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR7748           | OV1:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |

| Holding Register | Parameter                                         | Access | Length | Info                                  |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7749           | OV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7750           | OV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7751           | OV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7752           | OV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7753           | OV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7754           | OV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7755           | OV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7756           | OV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR7757           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7758           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7759           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7760           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7761           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7762           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7763           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7764           | OV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7765           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7766           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7767           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7768           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7769           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7770           | OV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |

| Holding Register | Parameter                         | Access | Length | Info                                  |
|------------------|-----------------------------------|--------|--------|---------------------------------------|
| HR7771           | OV2:Pick-up terms                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7772           | OV2:Pick-up terms                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7773           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7774           |                                   |        |        | HR7773 (Lo-16bits)                    |
| HR7775           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7776           |                                   |        |        | HR7775 (Lo-16bits)                    |
| HR7777           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7778           |                                   |        |        | HR7777 (Lo-16bits)                    |
| HR7779           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7780           |                                   |        |        | HR7779 (Lo-16bits)                    |
| HR7781           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7782           |                                   |        |        | HR7781 (Lo-16bits)                    |
| HR7783           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7784           |                                   |        |        | HR7783 (Lo-16bits)                    |
| HR7785           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7786           |                                   |        |        | HR7785 (Lo-16bits)                    |
| HR7787           | OV2:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7788           |                                   |        |        | HR7787 (Lo-16bits)                    |
| HR7789           | OV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7790           | OV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7791           | OV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7792           | OV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7793           | OV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7794           | OV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7795           | OV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7796           | OV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7797           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)          |
| HR7798           |                                   |        |        | HR7797 (Lo-16bits)                    |
| HR7799           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)          |
| HR7800           |                                   |        |        | HR7799 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length | Info                          |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR7801           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7802           |                                   |        |        | HR7801 (Lo-16bits)            |
| HR7803           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7804           |                                   |        |        | HR7803 (Lo-16bits)            |
| HR7805           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7806           |                                   |        |        | HR7805 (Lo-16bits)            |
| HR7807           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7808           |                                   |        |        | HR7807 (Lo-16bits)            |
| HR7809           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7810           |                                   |        |        | HR7809 (Lo-16bits)            |
| HR7811           | OV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7812           |                                   |        |        | HR7811 (Lo-16bits)            |
| HR7813           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7814           |                                   |        |        | HR7813 (Lo-16bits)            |
| HR7815           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7816           |                                   |        |        | HR7815 (Lo-16bits)            |
| HR7817           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7818           |                                   |        |        | HR7817 (Lo-16bits)            |
| HR7819           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7820           |                                   |        |        | HR7819 (Lo-16bits)            |
| HR7821           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7822           |                                   |        |        | HR7821 (Lo-16bits)            |
| HR7823           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7824           |                                   |        |        | HR7823 (Lo-16bits)            |
| HR7825           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7826           |                                   |        |        | HR7825 (Lo-16bits)            |
| HR7827           | OV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7828           |                                   |        |        | HR7827 (Lo-16bits)            |
| HR7829           | OV2>IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7830           |                                   |        |        | HR7829 (Lo-16bits)            |

| Holding Register | Parameter              | Access | Length | Info                          |
|------------------|------------------------|--------|--------|-------------------------------|
| HR7831           | OV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7832           |                        |        |        | HR7831 (Lo-16bits)            |
| HR7833           | OV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7834           |                        |        |        | HR7833 (Lo-16bits)            |
| HR7835           | OV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7836           |                        |        |        | HR7835 (Lo-16bits)            |
| HR7837           | OV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7838           |                        |        |        | HR7837 (Lo-16bits)            |
| HR7839           | OV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7840           |                        |        |        | HR7839 (Lo-16bits)            |
| HR7841           | OV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7842           |                        |        |        | HR7841 (Lo-16bits)            |
| HR7843           | OV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7844           |                        |        |        | HR7843 (Lo-16bits)            |
| HR7845           | OV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7846           |                        |        |        | HR7845 (Lo-16bits)            |
| HR7847           | OV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7848           |                        |        |        | HR7847 (Lo-16bits)            |
| HR7849           | OV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7850           |                        |        |        | HR7849 (Lo-16bits)            |
| HR7851           | OV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7852           |                        |        |        | HR7851 (Lo-16bits)            |
| HR7853           | OV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7854           |                        |        |        | HR7853 (Lo-16bits)            |
| HR7855           | OV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7856           |                        |        |        | HR7855 (Lo-16bits)            |
| HR7857           | OV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7858           |                        |        |        | HR7857 (Lo-16bits)            |
| HR7859           | OV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7860           |                        |        |        | HR7859 (Lo-16bits)            |

| Holding Register | Parameter                                         | Access | Length | Info       |
|------------------|---------------------------------------------------|--------|--------|------------|
| HR7861           | OV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR7862           | OV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR7863           | OV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR7864           | OV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR7865           | OV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR7866           | OV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR7867           | OV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR7868           | OV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR7869           | OV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR7870           | OV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR7871           | OV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR7872           | OV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR7873           | OV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR7874           | OV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR7875           | OV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR7876           | OV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR7877           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR7878           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR7879           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR7880           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR7881           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR7882           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR7883           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |



| Holding Register | Parameter                                         | Access | Length | Info                                  |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7884           | OV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR7885           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7886           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7887           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7888           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7889           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7890           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7891           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7892           | OV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR7893           | OV3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7894           |                                                   |        |        | HR7893 (Lo-16bits)                    |
| HR7895           | OV3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7896           |                                                   |        |        | HR7895 (Lo-16bits)                    |
| HR7897           | OV3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7898           |                                                   |        |        | HR7897 (Lo-16bits)                    |
| HR7899           | OV3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7900           |                                                   |        |        | HR7899 (Lo-16bits)                    |
| HR7901           | OV3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7902           |                                                   |        |        | HR7901 (Lo-16bits)                    |
| HR7903           | OV3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7904           |                                                   |        |        | HR7903 (Lo-16bits)                    |
| HR7905           | OV3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7906           |                                                   |        |        | HR7905 (Lo-16bits)                    |
| HR7907           | OV3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR7908           |                                                   |        |        | HR7907 (Lo-16bits)                    |
| HR7909           | OV3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7910           | OV3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7911           | OV3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7912           | OV3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                           |
| HR7913           | OV3:Delay type                                    | R(W)   | 1      | 0=DT 1=IDMT                           |

| Holding Register | Parameter                         | Access | Length | Info                          |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR7914           | OV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR7915           | OV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR7916           | OV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR7917           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7918           |                                   |        |        | HR7917 (Lo-16bits)            |
| HR7919           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7920           |                                   |        |        | HR7919 (Lo-16bits)            |
| HR7921           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7922           |                                   |        |        | HR7921 (Lo-16bits)            |
| HR7923           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7924           |                                   |        |        | HR7923 (Lo-16bits)            |
| HR7925           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7926           |                                   |        |        | HR7925 (Lo-16bits)            |
| HR7927           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7928           |                                   |        |        | HR7927 (Lo-16bits)            |
| HR7929           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7930           |                                   |        |        | HR7929 (Lo-16bits)            |
| HR7931           | OV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR7932           |                                   |        |        | HR7931 (Lo-16bits)            |
| HR7933           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7934           |                                   |        |        | HR7933 (Lo-16bits)            |
| HR7935           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7936           |                                   |        |        | HR7935 (Lo-16bits)            |
| HR7937           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7938           |                                   |        |        | HR7937 (Lo-16bits)            |
| HR7939           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7940           |                                   |        |        | HR7939 (Lo-16bits)            |
| HR7941           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7942           |                                   |        |        | HR7941 (Lo-16bits)            |
| HR7943           | OV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |

| Holding Register | Parameter               | Access | Length | Info                          |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR7944           |                         |        |        | HR7943 (Lo-16bits)            |
| HR7945           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7946           |                         |        |        | HR7945 (Lo-16bits)            |
| HR7947           | OV3:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR7948           |                         |        |        | HR7947 (Lo-16bits)            |
| HR7949           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7950           |                         |        |        | HR7949 (Lo-16bits)            |
| HR7951           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7952           |                         |        |        | HR7951 (Lo-16bits)            |
| HR7953           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7954           |                         |        |        | HR7953 (Lo-16bits)            |
| HR7955           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7956           |                         |        |        | HR7955 (Lo-16bits)            |
| HR7957           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7958           |                         |        |        | HR7957 (Lo-16bits)            |
| HR7959           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7960           |                         |        |        | HR7959 (Lo-16bits)            |
| HR7961           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7962           |                         |        |        | HR7961 (Lo-16bits)            |
| HR7963           | OV3:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR7964           |                         |        |        | HR7963 (Lo-16bits)            |
| HR7965           | OV3:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7966           |                         |        |        | HR7965 (Lo-16bits)            |
| HR7967           | OV3:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7968           |                         |        |        | HR7967 (Lo-16bits)            |
| HR7969           | OV3:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7970           |                         |        |        | HR7969 (Lo-16bits)            |
| HR7971           | OV3:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR7972           |                         |        |        | HR7971 (Lo-16bits)            |
| HR7973           | OV3:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                         | Access | Length | Info                        |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR7974           |                                                   |        |        | HR7973 (Lo-16bits)          |
| HR7975           | OV3:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7976           |                                                   |        |        | HR7975 (Lo-16bits)          |
| HR7977           | OV3:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7978           |                                                   |        |        | HR7977 (Lo-16bits)          |
| HR7979           | OV3:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR7980           |                                                   |        |        | HR7979 (Lo-16bits)          |
| HR7981           | OV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR7982           | OV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR7983           | OV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR7984           | OV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR7985           | OV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR7986           | OV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR7987           | OV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR7988           | OV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR7989           | OV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7990           | OV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7991           | OV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7992           | OV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7993           | OV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7994           | OV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7995           | OV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7996           | OV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR7997           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR7998           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                         | Access | Length | Info                                  |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR7999           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8000           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8001           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8002           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8003           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8004           | OV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8005           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8006           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8007           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8008           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8009           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8010           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8011           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8012           | OV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8013           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR8014           |                                                   |        |        | HR8013 (Lo-16bits)                    |
| HR8015           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR8016           |                                                   |        |        | HR8015 (Lo-16bits)                    |
| HR8017           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR8018           |                                                   |        |        | HR8017 (Lo-16bits)                    |
| HR8019           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR8020           |                                                   |        |        | HR8019 (Lo-16bits)                    |
| HR8021           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR8022           |                                                   |        |        | HR8021 (Lo-16bits)                    |
| HR8023           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |
| HR8024           |                                                   |        |        | HR8023 (Lo-16bits)                    |
| HR8025           | OV4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)        |

| Holding Register | Parameter                         | Access | Length | Info                           |
|------------------|-----------------------------------|--------|--------|--------------------------------|
| HR8026           |                                   |        |        | HR8025 (Lo-16bits)             |
| HR8027           | OV4:Pick-up setting Uset          | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR8028           |                                   |        |        | HR8027 (Lo-16bits)             |
| HR8029           | OV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR8030           | OV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR8031           | OV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR8032           | OV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR8033           | OV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR8034           | OV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR8035           | OV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR8036           | OV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                    |
| HR8037           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR8038           |                                   |        |        | HR8037 (Lo-16bits)             |
| HR8039           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR8040           |                                   |        |        | HR8039 (Lo-16bits)             |
| HR8041           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR8042           |                                   |        |        | HR8041 (Lo-16bits)             |
| HR8043           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR8044           |                                   |        |        | HR8043 (Lo-16bits)             |
| HR8045           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR8046           |                                   |        |        | HR8045 (Lo-16bits)             |
| HR8047           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR8048           |                                   |        |        | HR8047 (Lo-16bits)             |
| HR8049           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR8050           |                                   |        |        | HR8049 (Lo-16bits)             |
| HR8051           | OV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)   |
| HR8052           |                                   |        |        | HR8051 (Lo-16bits)             |
| HR8053           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits)  |
| HR8054           |                                   |        |        | HR8053 (Lo-16bits)             |
| HR8055           | OV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits)  |

| Holding Register | Parameter               | Access | Length | Info                          |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8056           |                         |        |        | HR8055 (Lo-16bits)            |
| HR8057           | OV4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8058           |                         |        |        | HR8057 (Lo-16bits)            |
| HR8059           | OV4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8060           |                         |        |        | HR8059 (Lo-16bits)            |
| HR8061           | OV4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8062           |                         |        |        | HR8061 (Lo-16bits)            |
| HR8063           | OV4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8064           |                         |        |        | HR8063 (Lo-16bits)            |
| HR8065           | OV4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8066           |                         |        |        | HR8065 (Lo-16bits)            |
| HR8067           | OV4:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8068           |                         |        |        | HR8067 (Lo-16bits)            |
| HR8069           | OV4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8070           |                         |        |        | HR8069 (Lo-16bits)            |
| HR8071           | OV4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8072           |                         |        |        | HR8071 (Lo-16bits)            |
| HR8073           | OV4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8074           |                         |        |        | HR8073 (Lo-16bits)            |
| HR8075           | OV4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8076           |                         |        |        | HR8075 (Lo-16bits)            |
| HR8077           | OV4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8078           |                         |        |        | HR8077 (Lo-16bits)            |
| HR8079           | OV4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8080           |                         |        |        | HR8079 (Lo-16bits)            |
| HR8081           | OV4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8082           |                         |        |        | HR8081 (Lo-16bits)            |
| HR8083           | OV4:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8084           |                         |        |        | HR8083 (Lo-16bits)            |
| HR8085           | OV4:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |

| Holding Register | Parameter                                        | Access | Length | Info                        |
|------------------|--------------------------------------------------|--------|--------|-----------------------------|
| HR8086           |                                                  |        |        | HR8085 (Lo-16bits)          |
| HR8087           | OV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8088           |                                                  |        |        | HR8087 (Lo-16bits)          |
| HR8089           | OV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8090           |                                                  |        |        | HR8089 (Lo-16bits)          |
| HR8091           | OV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8092           |                                                  |        |        | HR8091 (Lo-16bits)          |
| HR8093           | OV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8094           |                                                  |        |        | HR8093 (Lo-16bits)          |
| HR8095           | OV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8096           |                                                  |        |        | HR8095 (Lo-16bits)          |
| HR8097           | OV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8098           |                                                  |        |        | HR8097 (Lo-16bits)          |
| HR8099           | OV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8100           |                                                  |        |        | HR8099 (Lo-16bits)          |
| HR8101           | OV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8102           | OV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8103           | OV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8104           | OV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8105           | OV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8106           | OV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8107           | OV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8108           | OV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8109           | OV4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8110           | OV4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8111           | OV4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8112           | OV4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8113           | OV4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |



| Holding Register | Parameter                                         | Access | Length | Info                                  |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8114           | OV4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8115           | OV4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8116           | OV4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8117           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8118           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8119           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8120           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8121           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8122           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8123           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8124           | OV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8125           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8126           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8127           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8128           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8129           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8130           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8131           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8132           | UV1:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8133           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8134           |                                                   |        |        | HR8133 (Lo-16bits)                    |
| HR8135           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8136           |                                                   |        |        | HR8135 (Lo-16bits)                    |
| HR8137           | UV1:Pick-up setting Uset<                         | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8138           |                                                   |        |        | HR8137 (Lo-16bits)                    |

| Holding Register | Parameter                 | Access | Length | Info                        |
|------------------|---------------------------|--------|--------|-----------------------------|
| HR8139           | UV1:Pick-up setting Uset< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8140           |                           |        |        | HR8139 (Lo-16bits)          |
| HR8141           | UV1:Pick-up setting Uset< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8142           |                           |        |        | HR8141 (Lo-16bits)          |
| HR8143           | UV1:Pick-up setting Uset< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8144           |                           |        |        | HR8143 (Lo-16bits)          |
| HR8145           | UV1:Pick-up setting Uset< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8146           |                           |        |        | HR8145 (Lo-16bits)          |
| HR8147           | UV1:Pick-up setting Uset< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR8148           |                           |        |        | HR8147 (Lo-16bits)          |
| HR8149           | UV1:Block setting Uset<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8150           |                           |        |        | HR8149 (Lo-16bits)          |
| HR8151           | UV1:Block setting Uset<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8152           |                           |        |        | HR8151 (Lo-16bits)          |
| HR8153           | UV1:Block setting Uset<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8154           |                           |        |        | HR8153 (Lo-16bits)          |
| HR8155           | UV1:Block setting Uset<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8156           |                           |        |        | HR8155 (Lo-16bits)          |
| HR8157           | UV1:Block setting Uset<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8158           |                           |        |        | HR8157 (Lo-16bits)          |
| HR8159           | UV1:Block setting Uset<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8160           |                           |        |        | HR8159 (Lo-16bits)          |
| HR8161           | UV1:Block setting Uset<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8162           |                           |        |        | HR8161 (Lo-16bits)          |
| HR8163           | UV1:Block setting Uset<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8164           |                           |        |        | HR8163 (Lo-16bits)          |
| HR8165           | UV1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                 |
| HR8166           | UV1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                 |
| HR8167           | UV1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                 |
| HR8168           | UV1:Delay type            | R(W)   | 1      | 0=DT 1=IDMT                 |

| Holding Register | Parameter                         | Access | Length | Info                          |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8169           | UV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8170           | UV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8171           | UV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8172           | UV1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8173           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8174           |                                   |        |        | HR8173 (Lo-16bits)            |
| HR8175           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8176           |                                   |        |        | HR8175 (Lo-16bits)            |
| HR8177           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8178           |                                   |        |        | HR8177 (Lo-16bits)            |
| HR8179           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8180           |                                   |        |        | HR8179 (Lo-16bits)            |
| HR8181           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8182           |                                   |        |        | HR8181 (Lo-16bits)            |
| HR8183           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8184           |                                   |        |        | HR8183 (Lo-16bits)            |
| HR8185           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8186           |                                   |        |        | HR8185 (Lo-16bits)            |
| HR8187           | UV1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8188           |                                   |        |        | HR8187 (Lo-16bits)            |
| HR8189           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8190           |                                   |        |        | HR8189 (Lo-16bits)            |
| HR8191           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8192           |                                   |        |        | HR8191 (Lo-16bits)            |
| HR8193           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8194           |                                   |        |        | HR8193 (Lo-16bits)            |
| HR8195           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8196           |                                   |        |        | HR8195 (Lo-16bits)            |
| HR8197           | UV1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8198           |                                   |        |        | HR8197 (Lo-16bits)            |

| Holding Register | Parameter               | Access | Length | Info                          |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR8199           | UV1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8200           |                         |        |        | HR8199 (Lo-16bits)            |
| HR8201           | UV1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8202           |                         |        |        | HR8201 (Lo-16bits)            |
| HR8203           | UV1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8204           |                         |        |        | HR8203 (Lo-16bits)            |
| HR8205           | UV1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8206           |                         |        |        | HR8205 (Lo-16bits)            |
| HR8207           | UV1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8208           |                         |        |        | HR8207 (Lo-16bits)            |
| HR8209           | UV1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8210           |                         |        |        | HR8209 (Lo-16bits)            |
| HR8211           | UV1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8212           |                         |        |        | HR8211 (Lo-16bits)            |
| HR8213           | UV1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8214           |                         |        |        | HR8213 (Lo-16bits)            |
| HR8215           | UV1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8216           |                         |        |        | HR8215 (Lo-16bits)            |
| HR8217           | UV1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8218           |                         |        |        | HR8217 (Lo-16bits)            |
| HR8219           | UV1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8220           |                         |        |        | HR8219 (Lo-16bits)            |
| HR8221           | UV1:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8222           |                         |        |        | HR8221 (Lo-16bits)            |
| HR8223           | UV1:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8224           |                         |        |        | HR8223 (Lo-16bits)            |
| HR8225           | UV1:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8226           |                         |        |        | HR8225 (Lo-16bits)            |
| HR8227           | UV1:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8228           |                         |        |        | HR8227 (Lo-16bits)            |

| Holding Register | Parameter                                         | Access | Length | Info                        |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR8229           | UV1:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8230           |                                                   |        |        | HR8229 (Lo-16bits)          |
| HR8231           | UV1:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8232           |                                                   |        |        | HR8231 (Lo-16bits)          |
| HR8233           | UV1:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8234           |                                                   |        |        | HR8233 (Lo-16bits)          |
| HR8235           | UV1:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8236           |                                                   |        |        | HR8235 (Lo-16bits)          |
| HR8237           | UV1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8238           | UV1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8239           | UV1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8240           | UV1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8241           | UV1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8242           | UV1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8243           | UV1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8244           | UV1:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8245           | UV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8246           | UV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8247           | UV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8248           | UV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8249           | UV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8250           | UV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8251           | UV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8252           | UV1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8253           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                         | Access | Length | Info                                  |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8254           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8255           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8256           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8257           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8258           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8259           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8260           | UV1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8261           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8262           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8263           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8264           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8265           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8266           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8267           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8268           | UV2:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8269           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8270           |                                                   |        |        | HR8269 (Lo-16bits)                    |
| HR8271           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8272           |                                                   |        |        | HR8271 (Lo-16bits)                    |
| HR8273           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8274           |                                                   |        |        | HR8273 (Lo-16bits)                    |
| HR8275           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8276           |                                                   |        |        | HR8275 (Lo-16bits)                    |
| HR8277           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8278           |                                                   |        |        | HR8277 (Lo-16bits)                    |
| HR8279           | UV2:Pick-up setting Uset<<                        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8280           |                                                   |        |        | HR8279 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length | Info                         |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8281           | UV2:Pick-up setting Uset<<        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)  |
| HR8282           |                                   |        |        | HR8281 (Lo-16bits)           |
| HR8283           | UV2:Pick-up setting Uset<<        | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)  |
| HR8284           |                                   |        |        | HR8283 (Lo-16bits)           |
| HR8285           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8286           |                                   |        |        | HR8285 (Lo-16bits)           |
| HR8287           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8288           |                                   |        |        | HR8287 (Lo-16bits)           |
| HR8289           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8290           |                                   |        |        | HR8289 (Lo-16bits)           |
| HR8291           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8292           |                                   |        |        | HR8291 (Lo-16bits)           |
| HR8293           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8294           |                                   |        |        | HR8293 (Lo-16bits)           |
| HR8295           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8296           |                                   |        |        | HR8295 (Lo-16bits)           |
| HR8297           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8298           |                                   |        |        | HR8297 (Lo-16bits)           |
| HR8299           | UV2:Block setting Uset<<          | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8300           |                                   |        |        | HR8299 (Lo-16bits)           |
| HR8301           | UV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8302           | UV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8303           | UV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8304           | UV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8305           | UV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8306           | UV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8307           | UV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8308           | UV2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8309           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8310           |                                   |        |        | HR8309 (Lo-16bits)           |

| Holding Register | Parameter                         | Access | Length | Info                          |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8311           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8312           |                                   |        |        | HR8311 (Lo-16bits)            |
| HR8313           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8314           |                                   |        |        | HR8313 (Lo-16bits)            |
| HR8315           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8316           |                                   |        |        | HR8315 (Lo-16bits)            |
| HR8317           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8318           |                                   |        |        | HR8317 (Lo-16bits)            |
| HR8319           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8320           |                                   |        |        | HR8319 (Lo-16bits)            |
| HR8321           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8322           |                                   |        |        | HR8321 (Lo-16bits)            |
| HR8323           | UV2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8324           |                                   |        |        | HR8323 (Lo-16bits)            |
| HR8325           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8326           |                                   |        |        | HR8325 (Lo-16bits)            |
| HR8327           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8328           |                                   |        |        | HR8327 (Lo-16bits)            |
| HR8329           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8330           |                                   |        |        | HR8329 (Lo-16bits)            |
| HR8331           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8332           |                                   |        |        | HR8331 (Lo-16bits)            |
| HR8333           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8334           |                                   |        |        | HR8333 (Lo-16bits)            |
| HR8335           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8336           |                                   |        |        | HR8335 (Lo-16bits)            |
| HR8337           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8338           |                                   |        |        | HR8337 (Lo-16bits)            |
| HR8339           | UV2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8340           |                                   |        |        | HR8339 (Lo-16bits)            |



| Holding Register | Parameter              | Access | Length | Info                          |
|------------------|------------------------|--------|--------|-------------------------------|
| HR8341           | UV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8342           |                        |        |        | HR8341 (Lo-16bits)            |
| HR8343           | UV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8344           |                        |        |        | HR8343 (Lo-16bits)            |
| HR8345           | UV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8346           |                        |        |        | HR8345 (Lo-16bits)            |
| HR8347           | UV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8348           |                        |        |        | HR8347 (Lo-16bits)            |
| HR8349           | UV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8350           |                        |        |        | HR8349 (Lo-16bits)            |
| HR8351           | UV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8352           |                        |        |        | HR8351 (Lo-16bits)            |
| HR8353           | UV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8354           |                        |        |        | HR8353 (Lo-16bits)            |
| HR8355           | UV2:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8356           |                        |        |        | HR8355 (Lo-16bits)            |
| HR8357           | UV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8358           |                        |        |        | HR8357 (Lo-16bits)            |
| HR8359           | UV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8360           |                        |        |        | HR8359 (Lo-16bits)            |
| HR8361           | UV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8362           |                        |        |        | HR8361 (Lo-16bits)            |
| HR8363           | UV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8364           |                        |        |        | HR8363 (Lo-16bits)            |
| HR8365           | UV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8366           |                        |        |        | HR8365 (Lo-16bits)            |
| HR8367           | UV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8368           |                        |        |        | HR8367 (Lo-16bits)            |
| HR8369           | UV2:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8370           |                        |        |        | HR8369 (Lo-16bits)            |

| Holding Register | Parameter                                         | Access | Length | Info                        |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR8371           | UV2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8372           |                                                   |        |        | HR8371 (Lo-16bits)          |
| HR8373           | UV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8374           | UV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8375           | UV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8376           | UV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8377           | UV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8378           | UV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8379           | UV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8380           | UV2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8381           | UV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8382           | UV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8383           | UV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8384           | UV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8385           | UV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8386           | UV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8387           | UV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8388           | UV2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8389           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8390           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8391           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8392           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8393           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                         | Access | Length | Info                                  |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8394           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8395           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8396           | UV2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8397           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8398           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8399           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8400           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8401           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8402           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8403           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8404           | UV3:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8405           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8406           |                                                   |        |        | HR8405 (Lo-16bits)                    |
| HR8407           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8408           |                                                   |        |        | HR8407 (Lo-16bits)                    |
| HR8409           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8410           |                                                   |        |        | HR8409 (Lo-16bits)                    |
| HR8411           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8412           |                                                   |        |        | HR8411 (Lo-16bits)                    |
| HR8413           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8414           |                                                   |        |        | HR8413 (Lo-16bits)                    |
| HR8415           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8416           |                                                   |        |        | HR8415 (Lo-16bits)                    |
| HR8417           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8418           |                                                   |        |        | HR8417 (Lo-16bits)                    |
| HR8419           | UV3:Pick-up setting Uset<<<                       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8420           |                                                   |        |        | HR8419 (Lo-16bits)                    |
| HR8421           | UV3:Block setting Uset<<<                         | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8422           |                                                   |        |        | HR8421 (Lo-16bits)                    |

| Holding Register | Parameter                         | Access | Length | Info                         |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8423           | UV3:Block setting Uset<<<         | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8424           |                                   |        |        | HR8423 (Lo-16bits)           |
| HR8425           | UV3:Block setting Uset<<<         | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8426           |                                   |        |        | HR8425 (Lo-16bits)           |
| HR8427           | UV3:Block setting Uset<<<         | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8428           |                                   |        |        | HR8427 (Lo-16bits)           |
| HR8429           | UV3:Block setting Uset<<<         | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8430           |                                   |        |        | HR8429 (Lo-16bits)           |
| HR8431           | UV3:Block setting Uset<<<         | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8432           |                                   |        |        | HR8431 (Lo-16bits)           |
| HR8433           | UV3:Block setting Uset<<<         | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8434           |                                   |        |        | HR8433 (Lo-16bits)           |
| HR8435           | UV3:Block setting Uset<<<         | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8436           |                                   |        |        | HR8435 (Lo-16bits)           |
| HR8437           | UV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8438           | UV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8439           | UV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8440           | UV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8441           | UV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8442           | UV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8443           | UV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8444           | UV3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8445           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8446           |                                   |        |        | HR8445 (Lo-16bits)           |
| HR8447           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8448           |                                   |        |        | HR8447 (Lo-16bits)           |
| HR8449           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8450           |                                   |        |        | HR8449 (Lo-16bits)           |
| HR8451           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8452           |                                   |        |        | HR8451 (Lo-16bits)           |

| Holding Register | Parameter                         | Access | Length | Info                          |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8453           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8454           |                                   |        |        | HR8453 (Lo-16bits)            |
| HR8455           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8456           |                                   |        |        | HR8455 (Lo-16bits)            |
| HR8457           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8458           |                                   |        |        | HR8457 (Lo-16bits)            |
| HR8459           | UV3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8460           |                                   |        |        | HR8459 (Lo-16bits)            |
| HR8461           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8462           |                                   |        |        | HR8461 (Lo-16bits)            |
| HR8463           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8464           |                                   |        |        | HR8463 (Lo-16bits)            |
| HR8465           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8466           |                                   |        |        | HR8465 (Lo-16bits)            |
| HR8467           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8468           |                                   |        |        | HR8467 (Lo-16bits)            |
| HR8469           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8470           |                                   |        |        | HR8469 (Lo-16bits)            |
| HR8471           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8472           |                                   |        |        | HR8471 (Lo-16bits)            |
| HR8473           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8474           |                                   |        |        | HR8473 (Lo-16bits)            |
| HR8475           | UV3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8476           |                                   |        |        | HR8475 (Lo-16bits)            |
| HR8477           | UV3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8478           |                                   |        |        | HR8477 (Lo-16bits)            |
| HR8479           | UV3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8480           |                                   |        |        | HR8479 (Lo-16bits)            |
| HR8481           | UV3:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8482           |                                   |        |        | HR8481 (Lo-16bits)            |

| Holding Register | Parameter                   | Access | Length | Info                          |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR8483           | UV3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8484           |                             |        |        | HR8483 (Lo-16bits)            |
| HR8485           | UV3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8486           |                             |        |        | HR8485 (Lo-16bits)            |
| HR8487           | UV3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8488           |                             |        |        | HR8487 (Lo-16bits)            |
| HR8489           | UV3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8490           |                             |        |        | HR8489 (Lo-16bits)            |
| HR8491           | UV3:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8492           |                             |        |        | HR8491 (Lo-16bits)            |
| HR8493           | UV3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8494           |                             |        |        | HR8493 (Lo-16bits)            |
| HR8495           | UV3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8496           |                             |        |        | HR8495 (Lo-16bits)            |
| HR8497           | UV3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8498           |                             |        |        | HR8497 (Lo-16bits)            |
| HR8499           | UV3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8500           |                             |        |        | HR8499 (Lo-16bits)            |
| HR8501           | UV3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8502           |                             |        |        | HR8501 (Lo-16bits)            |
| HR8503           | UV3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8504           |                             |        |        | HR8503 (Lo-16bits)            |
| HR8505           | UV3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8506           |                             |        |        | HR8505 (Lo-16bits)            |
| HR8507           | UV3:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8508           |                             |        |        | HR8507 (Lo-16bits)            |
| HR8509           | UV3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR8510           | UV3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR8511           | UV3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR8512           | UV3:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |

| Holding Register | Parameter                                         | Access | Length | Info                                  |
|------------------|---------------------------------------------------|--------|--------|---------------------------------------|
| HR8513           | UV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                            |
| HR8514           | UV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                            |
| HR8515           | UV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                            |
| HR8516           | UV3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                            |
| HR8517           | UV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8518           | UV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8519           | UV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8520           | UV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8521           | UV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8522           | UV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8523           | UV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8524           | UV3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                            |
| HR8525           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8526           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8527           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8528           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8529           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8530           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8531           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8532           | UV3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                            |
| HR8533           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8534           | UV4:Pick-up terms                                 | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |

| Holding Register | Parameter                    | Access | Length | Info                                  |
|------------------|------------------------------|--------|--------|---------------------------------------|
| HR8535           | UV4:Pick-up terms            | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8536           | UV4:Pick-up terms            | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8537           | UV4:Pick-up terms            | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8538           | UV4:Pick-up terms            | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8539           | UV4:Pick-up terms            | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8540           | UV4:Pick-up terms            | R(W)   | 1      | 0=1 voltage 1=2 voltages 2=3 voltages |
| HR8541           | UV4:Pick-up setting Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8542           |                              |        |        | HR8541 (Lo-16bits)                    |
| HR8543           | UV4:Pick-up setting Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8544           |                              |        |        | HR8543 (Lo-16bits)                    |
| HR8545           | UV4:Pick-up setting Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8546           |                              |        |        | HR8545 (Lo-16bits)                    |
| HR8547           | UV4:Pick-up setting Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8548           |                              |        |        | HR8547 (Lo-16bits)                    |
| HR8549           | UV4:Pick-up setting Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8550           |                              |        |        | HR8549 (Lo-16bits)                    |
| HR8551           | UV4:Pick-up setting Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8552           |                              |        |        | HR8551 (Lo-16bits)                    |
| HR8553           | UV4:Pick-up setting Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8554           |                              |        |        | HR8553 (Lo-16bits)                    |
| HR8555           | UV4:Pick-up setting Uset<<<< | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)           |
| HR8556           |                              |        |        | HR8555 (Lo-16bits)                    |
| HR8557           | UV4:Block setting Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8558           |                              |        |        | HR8557 (Lo-16bits)                    |
| HR8559           | UV4:Block setting Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8560           |                              |        |        | HR8559 (Lo-16bits)                    |
| HR8561           | UV4:Block setting Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8562           |                              |        |        | HR8561 (Lo-16bits)                    |
| HR8563           | UV4:Block setting Uset<<<<   | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)            |
| HR8564           |                              |        |        | HR8563 (Lo-16bits)                    |



| Holding Register | Parameter                         | Access | Length | Info                         |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR8565           | UV4:Block setting Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8566           |                                   |        |        | HR8565 (Lo-16bits)           |
| HR8567           | UV4:Block setting Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8568           |                                   |        |        | HR8567 (Lo-16bits)           |
| HR8569           | UV4:Block setting Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8570           |                                   |        |        | HR8569 (Lo-16bits)           |
| HR8571           | UV4:Block setting Uset<<<<        | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8572           |                                   |        |        | HR8571 (Lo-16bits)           |
| HR8573           | UV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8574           | UV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8575           | UV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8576           | UV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8577           | UV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8578           | UV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8579           | UV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8580           | UV4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8581           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8582           |                                   |        |        | HR8581 (Lo-16bits)           |
| HR8583           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8584           |                                   |        |        | HR8583 (Lo-16bits)           |
| HR8585           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8586           |                                   |        |        | HR8585 (Lo-16bits)           |
| HR8587           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8588           |                                   |        |        | HR8587 (Lo-16bits)           |
| HR8589           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8590           |                                   |        |        | HR8589 (Lo-16bits)           |
| HR8591           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8592           |                                   |        |        | HR8591 (Lo-16bits)           |
| HR8593           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8594           |                                   |        |        | HR8593 (Lo-16bits)           |

| Holding Register | Parameter                         | Access | Length | Info                          |
|------------------|-----------------------------------|--------|--------|-------------------------------|
| HR8595           | UV4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8596           |                                   |        |        | HR8595 (Lo-16bits)            |
| HR8597           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8598           |                                   |        |        | HR8597 (Lo-16bits)            |
| HR8599           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8600           |                                   |        |        | HR8599 (Lo-16bits)            |
| HR8601           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8602           |                                   |        |        | HR8601 (Lo-16bits)            |
| HR8603           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8604           |                                   |        |        | HR8603 (Lo-16bits)            |
| HR8605           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8606           |                                   |        |        | HR8605 (Lo-16bits)            |
| HR8607           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8608           |                                   |        |        | HR8607 (Lo-16bits)            |
| HR8609           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8610           |                                   |        |        | HR8609 (Lo-16bits)            |
| HR8611           | UV4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8612           |                                   |        |        | HR8611 (Lo-16bits)            |
| HR8613           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8614           |                                   |        |        | HR8613 (Lo-16bits)            |
| HR8615           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8616           |                                   |        |        | HR8615 (Lo-16bits)            |
| HR8617           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8618           |                                   |        |        | HR8617 (Lo-16bits)            |
| HR8619           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8620           |                                   |        |        | HR8619 (Lo-16bits)            |
| HR8621           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8622           |                                   |        |        | HR8621 (Lo-16bits)            |
| HR8623           | UV4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8624           |                                   |        |        | HR8623 (Lo-16bits)            |

| Holding Register | Parameter                                        | Access | Length | Info                          |
|------------------|--------------------------------------------------|--------|--------|-------------------------------|
| HR8625           | UV4:IDMT Multiplier                              | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8626           |                                                  |        |        | HR8625 (Lo-16bits)            |
| HR8627           | UV4:IDMT Multiplier                              | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8628           |                                                  |        |        | HR8627 (Lo-16bits)            |
| HR8629           | UV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8630           |                                                  |        |        | HR8629 (Lo-16bits)            |
| HR8631           | UV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8632           |                                                  |        |        | HR8631 (Lo-16bits)            |
| HR8633           | UV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8634           |                                                  |        |        | HR8633 (Lo-16bits)            |
| HR8635           | UV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8636           |                                                  |        |        | HR8635 (Lo-16bits)            |
| HR8637           | UV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8638           |                                                  |        |        | HR8637 (Lo-16bits)            |
| HR8639           | UV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8640           |                                                  |        |        | HR8639 (Lo-16bits)            |
| HR8641           | UV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8642           |                                                  |        |        | HR8641 (Lo-16bits)            |
| HR8643           | UV4:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8644           |                                                  |        |        | HR8643 (Lo-16bits)            |
| HR8645           | UV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                    |
| HR8646           | UV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                    |
| HR8647           | UV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                    |
| HR8648           | UV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                    |
| HR8649           | UV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                    |
| HR8650           | UV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                    |
| HR8651           | UV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                    |
| HR8652           | UV4:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                    |
| HR8653           | UV4:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                    |

| Holding Register | Parameter                                         | Access | Length | Info               |
|------------------|---------------------------------------------------|--------|--------|--------------------|
| HR8654           | UV4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes         |
| HR8655           | UV4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes         |
| HR8656           | UV4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes         |
| HR8657           | UV4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes         |
| HR8658           | UV4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes         |
| HR8659           | UV4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes         |
| HR8660           | UV4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes         |
| HR8661           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes         |
| HR8662           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes         |
| HR8663           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes         |
| HR8664           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes         |
| HR8665           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes         |
| HR8666           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes         |
| HR8667           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes         |
| HR8668           | UV4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes         |
| HR8669           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over > 1=Under < |
| HR8670           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over > 1=Under < |
| HR8671           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over > 1=Under < |
| HR8672           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over > 1=Under < |
| HR8673           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over > 1=Under < |
| HR8674           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over > 1=Under < |
| HR8675           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over > 1=Under < |
| HR8676           | VUB1:Pick-up terms                                | R(W)   | 1      | 0=Over > 1=Under < |

| Holding Register | Parameter                     | Access | Length | Info                        |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8677           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8678           |                               |        |        | HR8677 (Lo-16bits)          |
| HR8679           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8680           |                               |        |        | HR8679 (Lo-16bits)          |
| HR8681           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8682           |                               |        |        | HR8681 (Lo-16bits)          |
| HR8683           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8684           |                               |        |        | HR8683 (Lo-16bits)          |
| HR8685           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8686           |                               |        |        | HR8685 (Lo-16bits)          |
| HR8687           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8688           |                               |        |        | HR8687 (Lo-16bits)          |
| HR8689           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8690           |                               |        |        | HR8689 (Lo-16bits)          |
| HR8691           | VUB1:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8692           |                               |        |        | HR8691 (Lo-16bits)          |
| HR8693           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8694           |                               |        |        | HR8693 (Lo-16bits)          |
| HR8695           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8696           |                               |        |        | HR8695 (Lo-16bits)          |
| HR8697           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8698           |                               |        |        | HR8697 (Lo-16bits)          |
| HR8699           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8700           |                               |        |        | HR8699 (Lo-16bits)          |
| HR8701           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8702           |                               |        |        | HR8701 (Lo-16bits)          |
| HR8703           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8704           |                               |        |        | HR8703 (Lo-16bits)          |
| HR8705           | VUB1:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8706           |                               |        |        | HR8705 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length | Info                          |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8707           | VUB1:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)    |
| HR8708           |                                    |        |        | HR8707 (Lo-16bits)            |
| HR8709           | VUB1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8710           | VUB1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8711           | VUB1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8712           | VUB1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8713           | VUB1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8714           | VUB1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8715           | VUB1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8716           | VUB1:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8717           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8718           |                                    |        |        | HR8717 (Lo-16bits)            |
| HR8719           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8720           |                                    |        |        | HR8719 (Lo-16bits)            |
| HR8721           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8722           |                                    |        |        | HR8721 (Lo-16bits)            |
| HR8723           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8724           |                                    |        |        | HR8723 (Lo-16bits)            |
| HR8725           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8726           |                                    |        |        | HR8725 (Lo-16bits)            |
| HR8727           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8728           |                                    |        |        | HR8727 (Lo-16bits)            |
| HR8729           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8730           |                                    |        |        | HR8729 (Lo-16bits)            |
| HR8731           | VUB1:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8732           |                                    |        |        | HR8731 (Lo-16bits)            |
| HR8733           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8734           |                                    |        |        | HR8733 (Lo-16bits)            |
| HR8735           | VUB1:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8736           |                                    |        |        | HR8735 (Lo-16bits)            |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8737           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8738           |                          |        |        | HR8737 (Lo-16bits)            |
| HR8739           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8740           |                          |        |        | HR8739 (Lo-16bits)            |
| HR8741           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8742           |                          |        |        | HR8741 (Lo-16bits)            |
| HR8743           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8744           |                          |        |        | HR8743 (Lo-16bits)            |
| HR8745           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8746           |                          |        |        | HR8745 (Lo-16bits)            |
| HR8747           | VUB1:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8748           |                          |        |        | HR8747 (Lo-16bits)            |
| HR8749           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8750           |                          |        |        | HR8749 (Lo-16bits)            |
| HR8751           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8752           |                          |        |        | HR8751 (Lo-16bits)            |
| HR8753           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8754           |                          |        |        | HR8753 (Lo-16bits)            |
| HR8755           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8756           |                          |        |        | HR8755 (Lo-16bits)            |
| HR8757           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8758           |                          |        |        | HR8757 (Lo-16bits)            |
| HR8759           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8760           |                          |        |        | HR8759 (Lo-16bits)            |
| HR8761           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8762           |                          |        |        | HR8761 (Lo-16bits)            |
| HR8763           | VUB1:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8764           |                          |        |        | HR8763 (Lo-16bits)            |
| HR8765           | VUB1:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8766           |                          |        |        | HR8765 (Lo-16bits)            |

| Holding Register | Parameter                                         | Access | Length | Info                        |
|------------------|---------------------------------------------------|--------|--------|-----------------------------|
| HR8767           | VUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8768           |                                                   |        |        | HR8767 (Lo-16bits)          |
| HR8769           | VUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8770           |                                                   |        |        | HR8769 (Lo-16bits)          |
| HR8771           | VUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8772           |                                                   |        |        | HR8771 (Lo-16bits)          |
| HR8773           | VUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8774           |                                                   |        |        | HR8773 (Lo-16bits)          |
| HR8775           | VUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8776           |                                                   |        |        | HR8775 (Lo-16bits)          |
| HR8777           | VUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8778           |                                                   |        |        | HR8777 (Lo-16bits)          |
| HR8779           | VUB1:Release time delay                           | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8780           |                                                   |        |        | HR8779 (Lo-16bits)          |
| HR8781           | VUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8782           | VUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8783           | VUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8784           | VUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8785           | VUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8786           | VUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8787           | VUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8788           | VUB1:Delayed pick-up release                      | R(W)   | 1      | 0=No 1=Yes                  |
| HR8789           | VUB1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8790           | VUB1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8791           | VUB1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8792           | VUB1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8793           | VUB1:Op.Time calculation reset after release time | R(W)   | 1      | 0=No 1=Yes                  |



| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR8794           | VUB1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8795           | VUB1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8796           | VUB1:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8797           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8798           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8799           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8800           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8801           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8802           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8803           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8804           | VUB1:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8805           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8806           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8807           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8808           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8809           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8810           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8811           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8812           | VUB2:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8813           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8814           |                                                    |        |        | HR8813 (Lo-16bits)          |
| HR8815           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8816           |                                                    |        |        | HR8815 (Lo-16bits)          |
| HR8817           | VUB2:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8818           |                                                    |        |        | HR8817 (Lo-16bits)          |

| Holding Register | Parameter                     | Access | Length | Info                        |
|------------------|-------------------------------|--------|--------|-----------------------------|
| HR8819           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8820           |                               |        |        | HR8819 (Lo-16bits)          |
| HR8821           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8822           |                               |        |        | HR8821 (Lo-16bits)          |
| HR8823           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8824           |                               |        |        | HR8823 (Lo-16bits)          |
| HR8825           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8826           |                               |        |        | HR8825 (Lo-16bits)          |
| HR8827           | VUB2:Pick-up setting Uset     | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8828           |                               |        |        | HR8827 (Lo-16bits)          |
| HR8829           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8830           |                               |        |        | HR8829 (Lo-16bits)          |
| HR8831           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8832           |                               |        |        | HR8831 (Lo-16bits)          |
| HR8833           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8834           |                               |        |        | HR8833 (Lo-16bits)          |
| HR8835           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8836           |                               |        |        | HR8835 (Lo-16bits)          |
| HR8837           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8838           |                               |        |        | HR8837 (Lo-16bits)          |
| HR8839           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8840           |                               |        |        | HR8839 (Lo-16bits)          |
| HR8841           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8842           |                               |        |        | HR8841 (Lo-16bits)          |
| HR8843           | VUB2:Under block setting Ublk | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR8844           |                               |        |        | HR8843 (Lo-16bits)          |
| HR8845           | VUB2:Delay type               | R(W)   | 1      | 0=DT 1=IDMT                 |
| HR8846           | VUB2:Delay type               | R(W)   | 1      | 0=DT 1=IDMT                 |
| HR8847           | VUB2:Delay type               | R(W)   | 1      | 0=DT 1=IDMT                 |
| HR8848           | VUB2:Delay type               | R(W)   | 1      | 0=DT 1=IDMT                 |

| Holding Register | Parameter                          | Access | Length | Info                          |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8849           | VUB2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8850           | VUB2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8851           | VUB2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8852           | VUB2:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                   |
| HR8853           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8854           |                                    |        |        | HR8853 (Lo-16bits)            |
| HR8855           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8856           |                                    |        |        | HR8855 (Lo-16bits)            |
| HR8857           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8858           |                                    |        |        | HR8857 (Lo-16bits)            |
| HR8859           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8860           |                                    |        |        | HR8859 (Lo-16bits)            |
| HR8861           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8862           |                                    |        |        | HR8861 (Lo-16bits)            |
| HR8863           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8864           |                                    |        |        | HR8863 (Lo-16bits)            |
| HR8865           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8866           |                                    |        |        | HR8865 (Lo-16bits)            |
| HR8867           | VUB2:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8868           |                                    |        |        | HR8867 (Lo-16bits)            |
| HR8869           | VUB2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8870           |                                    |        |        | HR8869 (Lo-16bits)            |
| HR8871           | VUB2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8872           |                                    |        |        | HR8871 (Lo-16bits)            |
| HR8873           | VUB2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8874           |                                    |        |        | HR8873 (Lo-16bits)            |
| HR8875           | VUB2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8876           |                                    |        |        | HR8875 (Lo-16bits)            |
| HR8877           | VUB2:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8878           |                                    |        |        | HR8877 (Lo-16bits)            |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR8879           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8880           |                          |        |        | HR8879 (Lo-16bits)            |
| HR8881           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8882           |                          |        |        | HR8881 (Lo-16bits)            |
| HR8883           | VUB2:Time dial setting k | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR8884           |                          |        |        | HR8883 (Lo-16bits)            |
| HR8885           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8886           |                          |        |        | HR8885 (Lo-16bits)            |
| HR8887           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8888           |                          |        |        | HR8887 (Lo-16bits)            |
| HR8889           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8890           |                          |        |        | HR8889 (Lo-16bits)            |
| HR8891           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8892           |                          |        |        | HR8891 (Lo-16bits)            |
| HR8893           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8894           |                          |        |        | HR8893 (Lo-16bits)            |
| HR8895           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8896           |                          |        |        | HR8895 (Lo-16bits)            |
| HR8897           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8898           |                          |        |        | HR8897 (Lo-16bits)            |
| HR8899           | VUB2:IDMT Multiplier     | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR8900           |                          |        |        | HR8899 (Lo-16bits)            |
| HR8901           | VUB2:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8902           |                          |        |        | HR8901 (Lo-16bits)            |
| HR8903           | VUB2:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8904           |                          |        |        | HR8903 (Lo-16bits)            |
| HR8905           | VUB2:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8906           |                          |        |        | HR8905 (Lo-16bits)            |
| HR8907           | VUB2:Release time delay  | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR8908           |                          |        |        | HR8907 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR8909           | VUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8910           |                                                    |        |        | HR8909 (Lo-16bits)          |
| HR8911           | VUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8912           |                                                    |        |        | HR8911 (Lo-16bits)          |
| HR8913           | VUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8914           |                                                    |        |        | HR8913 (Lo-16bits)          |
| HR8915           | VUB2:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR8916           |                                                    |        |        | HR8915 (Lo-16bits)          |
| HR8917           | VUB2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8918           | VUB2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8919           | VUB2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8920           | VUB2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8921           | VUB2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8922           | VUB2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8923           | VUB2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8924           | VUB2:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR8925           | VUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8926           | VUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8927           | VUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8928           | VUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8929           | VUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8930           | VUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8931           | VUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8932           | VUB2:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR8933           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR8934           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8935           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8936           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8937           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8938           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8939           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8940           | VUB2:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR8941           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8942           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8943           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8944           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8945           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8946           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8947           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8948           | VUB3:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR8949           | VUB3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8950           |                                                    |        |        | HR8949 (Lo-16bits)          |
| HR8951           | VUB3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8952           |                                                    |        |        | HR8951 (Lo-16bits)          |
| HR8953           | VUB3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8954           |                                                    |        |        | HR8953 (Lo-16bits)          |
| HR8955           | VUB3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8956           |                                                    |        |        | HR8955 (Lo-16bits)          |
| HR8957           | VUB3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8958           |                                                    |        |        | HR8957 (Lo-16bits)          |
| HR8959           | VUB3:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR8960           |                                                    |        |        | HR8959 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length | Info                         |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR8961           | VUB3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits)  |
| HR8962           |                                    |        |        | HR8961 (Lo-16bits)           |
| HR8963           | VUB3:Pick-up setting Uset          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits)  |
| HR8964           |                                    |        |        | HR8963 (Lo-16bits)           |
| HR8965           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8966           |                                    |        |        | HR8965 (Lo-16bits)           |
| HR8967           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8968           |                                    |        |        | HR8967 (Lo-16bits)           |
| HR8969           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8970           |                                    |        |        | HR8969 (Lo-16bits)           |
| HR8971           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8972           |                                    |        |        | HR8971 (Lo-16bits)           |
| HR8973           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8974           |                                    |        |        | HR8973 (Lo-16bits)           |
| HR8975           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8976           |                                    |        |        | HR8975 (Lo-16bits)           |
| HR8977           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8978           |                                    |        |        | HR8977 (Lo-16bits)           |
| HR8979           | VUB3:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR8980           |                                    |        |        | HR8979 (Lo-16bits)           |
| HR8981           | VUB3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8982           | VUB3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8983           | VUB3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8984           | VUB3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8985           | VUB3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8986           | VUB3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8987           | VUB3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8988           | VUB3:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR8989           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR8990           |                                    |        |        | HR8989 (Lo-16bits)           |

| Holding Register | Parameter                          | Access | Length | Info                          |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR8991           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8992           |                                    |        |        | HR8991 (Lo-16bits)            |
| HR8993           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8994           |                                    |        |        | HR8993 (Lo-16bits)            |
| HR8995           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8996           |                                    |        |        | HR8995 (Lo-16bits)            |
| HR8997           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR8998           |                                    |        |        | HR8997 (Lo-16bits)            |
| HR8999           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9000           |                                    |        |        | HR8999 (Lo-16bits)            |
| HR9001           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9002           |                                    |        |        | HR9001 (Lo-16bits)            |
| HR9003           | VUB3:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9004           |                                    |        |        | HR9003 (Lo-16bits)            |
| HR9005           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9006           |                                    |        |        | HR9005 (Lo-16bits)            |
| HR9007           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9008           |                                    |        |        | HR9007 (Lo-16bits)            |
| HR9009           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9010           |                                    |        |        | HR9009 (Lo-16bits)            |
| HR9011           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9012           |                                    |        |        | HR9011 (Lo-16bits)            |
| HR9013           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9014           |                                    |        |        | HR9013 (Lo-16bits)            |
| HR9015           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9016           |                                    |        |        | HR9015 (Lo-16bits)            |
| HR9017           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9018           |                                    |        |        | HR9017 (Lo-16bits)            |
| HR9019           | VUB3:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9020           |                                    |        |        | HR9019 (Lo-16bits)            |



| Holding Register | Parameter               | Access | Length | Info                          |
|------------------|-------------------------|--------|--------|-------------------------------|
| HR9021           | VUB3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9022           |                         |        |        | HR9021 (Lo-16bits)            |
| HR9023           | VUB3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9024           |                         |        |        | HR9023 (Lo-16bits)            |
| HR9025           | VUB3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9026           |                         |        |        | HR9025 (Lo-16bits)            |
| HR9027           | VUB3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9028           |                         |        |        | HR9027 (Lo-16bits)            |
| HR9029           | VUB3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9030           |                         |        |        | HR9029 (Lo-16bits)            |
| HR9031           | VUB3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9032           |                         |        |        | HR9031 (Lo-16bits)            |
| HR9033           | VUB3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9034           |                         |        |        | HR9033 (Lo-16bits)            |
| HR9035           | VUB3:IDMT Multiplier    | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9036           |                         |        |        | HR9035 (Lo-16bits)            |
| HR9037           | VUB3:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9038           |                         |        |        | HR9037 (Lo-16bits)            |
| HR9039           | VUB3:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9040           |                         |        |        | HR9039 (Lo-16bits)            |
| HR9041           | VUB3:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9042           |                         |        |        | HR9041 (Lo-16bits)            |
| HR9043           | VUB3:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9044           |                         |        |        | HR9043 (Lo-16bits)            |
| HR9045           | VUB3:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9046           |                         |        |        | HR9045 (Lo-16bits)            |
| HR9047           | VUB3:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9048           |                         |        |        | HR9047 (Lo-16bits)            |
| HR9049           | VUB3:Release time delay | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9050           |                         |        |        | HR9049 (Lo-16bits)            |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR9051           | VUB3:Release time delay                            | R(W)   | 2      | FLOAT [0...150] (Hi-16bits) |
| HR9052           |                                                    |        |        | HR9051 (Lo-16bits)          |
| HR9053           | VUB3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR9054           | VUB3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR9055           | VUB3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR9056           | VUB3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR9057           | VUB3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR9058           | VUB3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR9059           | VUB3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR9060           | VUB3:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes                  |
| HR9061           | VUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR9062           | VUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR9063           | VUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR9064           | VUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR9065           | VUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR9066           | VUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR9067           | VUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR9068           | VUB3:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes                  |
| HR9069           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR9070           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR9071           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR9072           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR9073           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |

| Holding Register | Parameter                                          | Access | Length | Info                        |
|------------------|----------------------------------------------------|--------|--------|-----------------------------|
| HR9074           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR9075           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR9076           | VUB3:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes                  |
| HR9077           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR9078           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR9079           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR9080           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR9081           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR9082           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR9083           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR9084           | VUB4:Pick-up terms                                 | R(W)   | 1      | 0=Over > 1=Under <          |
| HR9085           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9086           |                                                    |        |        | HR9085 (Lo-16bits)          |
| HR9087           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9088           |                                                    |        |        | HR9087 (Lo-16bits)          |
| HR9089           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9090           |                                                    |        |        | HR9089 (Lo-16bits)          |
| HR9091           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9092           |                                                    |        |        | HR9091 (Lo-16bits)          |
| HR9093           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9094           |                                                    |        |        | HR9093 (Lo-16bits)          |
| HR9095           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9096           |                                                    |        |        | HR9095 (Lo-16bits)          |
| HR9097           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9098           |                                                    |        |        | HR9097 (Lo-16bits)          |
| HR9099           | VUB4:Pick-up setting Uset                          | R(W)   | 2      | FLOAT [5...150] (Hi-16bits) |
| HR9100           |                                                    |        |        | HR9099 (Lo-16bits)          |
| HR9101           | VUB4:Under block setting Ublk                      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)  |
| HR9102           |                                                    |        |        | HR9101 (Lo-16bits)          |

| Holding Register | Parameter                          | Access | Length | Info                         |
|------------------|------------------------------------|--------|--------|------------------------------|
| HR9103           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9104           |                                    |        |        | HR9103 (Lo-16bits)           |
| HR9105           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9106           |                                    |        |        | HR9105 (Lo-16bits)           |
| HR9107           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9108           |                                    |        |        | HR9107 (Lo-16bits)           |
| HR9109           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9110           |                                    |        |        | HR9109 (Lo-16bits)           |
| HR9111           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9112           |                                    |        |        | HR9111 (Lo-16bits)           |
| HR9113           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9114           |                                    |        |        | HR9113 (Lo-16bits)           |
| HR9115           | VUB4:Under block setting Ublk      | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR9116           |                                    |        |        | HR9115 (Lo-16bits)           |
| HR9117           | VUB4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR9118           | VUB4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR9119           | VUB4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR9120           | VUB4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR9121           | VUB4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR9122           | VUB4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR9123           | VUB4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR9124           | VUB4:Delay type                    | R(W)   | 1      | 0=DT 1=IDMT                  |
| HR9125           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9126           |                                    |        |        | HR9125 (Lo-16bits)           |
| HR9127           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9128           |                                    |        |        | HR9127 (Lo-16bits)           |
| HR9129           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9130           |                                    |        |        | HR9129 (Lo-16bits)           |
| HR9131           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9132           |                                    |        |        | HR9131 (Lo-16bits)           |

| Holding Register | Parameter                          | Access | Length | Info                          |
|------------------|------------------------------------|--------|--------|-------------------------------|
| HR9133           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9134           |                                    |        |        | HR9133 (Lo-16bits)            |
| HR9135           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9136           |                                    |        |        | HR9135 (Lo-16bits)            |
| HR9137           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9138           |                                    |        |        | HR9137 (Lo-16bits)            |
| HR9139           | VUB4:Definite operating time delay | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)  |
| HR9140           |                                    |        |        | HR9139 (Lo-16bits)            |
| HR9141           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9142           |                                    |        |        | HR9141 (Lo-16bits)            |
| HR9143           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9144           |                                    |        |        | HR9143 (Lo-16bits)            |
| HR9145           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9146           |                                    |        |        | HR9145 (Lo-16bits)            |
| HR9147           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9148           |                                    |        |        | HR9147 (Lo-16bits)            |
| HR9149           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9150           |                                    |        |        | HR9149 (Lo-16bits)            |
| HR9151           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9152           |                                    |        |        | HR9151 (Lo-16bits)            |
| HR9153           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9154           |                                    |        |        | HR9153 (Lo-16bits)            |
| HR9155           | VUB4:Time dial setting k           | R(W)   | 2      | FLOAT [0.01...60] (Hi-16bits) |
| HR9156           |                                    |        |        | HR9155 (Lo-16bits)            |
| HR9157           | VUB4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9158           |                                    |        |        | HR9157 (Lo-16bits)            |
| HR9159           | VUB4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9160           |                                    |        |        | HR9159 (Lo-16bits)            |
| HR9161           | VUB4:IDMT Multiplier               | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9162           |                                    |        |        | HR9161 (Lo-16bits)            |

| Holding Register | Parameter                    | Access | Length | Info                          |
|------------------|------------------------------|--------|--------|-------------------------------|
| HR9163           | VUB4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9164           |                              |        |        | HR9163 (Lo-16bits)            |
| HR9165           | VUB4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9166           |                              |        |        | HR9165 (Lo-16bits)            |
| HR9167           | VUB4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9168           |                              |        |        | HR9167 (Lo-16bits)            |
| HR9169           | VUB4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9170           |                              |        |        | HR9169 (Lo-16bits)            |
| HR9171           | VUB4:IDMT Multiplier         | R(W)   | 2      | FLOAT [0.01...25] (Hi-16bits) |
| HR9172           |                              |        |        | HR9171 (Lo-16bits)            |
| HR9173           | VUB4:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9174           |                              |        |        | HR9173 (Lo-16bits)            |
| HR9175           | VUB4:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9176           |                              |        |        | HR9175 (Lo-16bits)            |
| HR9177           | VUB4:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9178           |                              |        |        | HR9177 (Lo-16bits)            |
| HR9179           | VUB4:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9180           |                              |        |        | HR9179 (Lo-16bits)            |
| HR9181           | VUB4:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9182           |                              |        |        | HR9181 (Lo-16bits)            |
| HR9183           | VUB4:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9184           |                              |        |        | HR9183 (Lo-16bits)            |
| HR9185           | VUB4:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9186           |                              |        |        | HR9185 (Lo-16bits)            |
| HR9187           | VUB4:Release time delay      | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)   |
| HR9188           |                              |        |        | HR9187 (Lo-16bits)            |
| HR9189           | VUB4:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR9190           | VUB4:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR9191           | VUB4:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |
| HR9192           | VUB4:Delayed pick-up release | R(W)   | 1      | 0=No 1=Yes                    |

| Holding Register | Parameter                                          | Access | Length | Info       |
|------------------|----------------------------------------------------|--------|--------|------------|
| HR9193           | VUB4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR9194           | VUB4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR9195           | VUB4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR9196           | VUB4:Delayed pick-up release                       | R(W)   | 1      | 0=No 1=Yes |
| HR9197           | VUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR9198           | VUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR9199           | VUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR9200           | VUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR9201           | VUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR9202           | VUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR9203           | VUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR9204           | VUB4:Op.Time calculation reset after release time  | R(W)   | 1      | 0=No 1=Yes |
| HR9205           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR9206           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR9207           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR9208           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR9209           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR9210           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR9211           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR9212           | VUB4:Continue time calculation during release time | R(W)   | 1      | 0=No 1=Yes |
| HR9213           | FRQV1:f> Enable                                    | R(W)   | 1      | 0=No 1=Yes |
| HR9214           | FRQV1:f>> Enable                                   | R(W)   | 1      | 0=No 1=Yes |

| Holding Register | Parameter                      | Access | Length | Info                        |
|------------------|--------------------------------|--------|--------|-----------------------------|
| HR9215           | FRQV1:f>>> Enable              | R(W)   | 1      | 0=No 1=Yes                  |
| HR9216           | FRQV1:f>>>> Enable             | R(W)   | 1      | 0=No 1=Yes                  |
| HR9217           | FRQV1:f< Enable                | R(W)   | 1      | 0=No 1=Yes                  |
| HR9218           | FRQV1:f<< Enable               | R(W)   | 1      | 0=No 1=Yes                  |
| HR9219           | FRQV1:f<<< Enable              | R(W)   | 1      | 0=No 1=Yes                  |
| HR9220           | FRQV1:f<<<< Enable             | R(W)   | 1      | 0=No 1=Yes                  |
| HR9221           | FRQV1:f> used in setting group | R(W)   | 1      | 0=No 1=Yes                  |
| HR9222           | FRQV1:f> used in setting group | R(W)   | 1      | 0=No 1=Yes                  |
| HR9223           | FRQV1:f> used in setting group | R(W)   | 1      | 0=No 1=Yes                  |
| HR9224           | FRQV1:f> used in setting group | R(W)   | 1      | 0=No 1=Yes                  |
| HR9225           | FRQV1:f> used in setting group | R(W)   | 1      | 0=No 1=Yes                  |
| HR9226           | FRQV1:f> used in setting group | R(W)   | 1      | 0=No 1=Yes                  |
| HR9227           | FRQV1:f> used in setting group | R(W)   | 1      | 0=No 1=Yes                  |
| HR9228           | FRQV1:f> used in setting group | R(W)   | 1      | 0=No 1=Yes                  |
| HR9229           | FRQV1:f> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits) |
| HR9230           |                                |        |        | HR9229 (Lo-16bits)          |
| HR9231           | FRQV1:f> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits) |
| HR9232           |                                |        |        | HR9231 (Lo-16bits)          |
| HR9233           | FRQV1:f> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits) |
| HR9234           |                                |        |        | HR9233 (Lo-16bits)          |
| HR9235           | FRQV1:f> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits) |
| HR9236           |                                |        |        | HR9235 (Lo-16bits)          |
| HR9237           | FRQV1:f> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits) |
| HR9238           |                                |        |        | HR9237 (Lo-16bits)          |
| HR9239           | FRQV1:f> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits) |
| HR9240           |                                |        |        | HR9239 (Lo-16bits)          |
| HR9241           | FRQV1:f> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits) |
| HR9242           |                                |        |        | HR9241 (Lo-16bits)          |
| HR9243           | FRQV1:f> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits) |
| HR9244           |                                |        |        | HR9243 (Lo-16bits)          |



| Holding Register | Parameter                       | Access | Length | Info                         |
|------------------|---------------------------------|--------|--------|------------------------------|
| HR9245           | FRQV1:f> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9246           |                                 |        |        | HR9245 (Lo-16bits)           |
| HR9247           | FRQV1:f> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9248           |                                 |        |        | HR9247 (Lo-16bits)           |
| HR9249           | FRQV1:f> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9250           |                                 |        |        | HR9249 (Lo-16bits)           |
| HR9251           | FRQV1:f> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9252           |                                 |        |        | HR9251 (Lo-16bits)           |
| HR9253           | FRQV1:f> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9254           |                                 |        |        | HR9253 (Lo-16bits)           |
| HR9255           | FRQV1:f> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9256           |                                 |        |        | HR9255 (Lo-16bits)           |
| HR9257           | FRQV1:f> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9258           |                                 |        |        | HR9257 (Lo-16bits)           |
| HR9259           | FRQV1:f> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9260           |                                 |        |        | HR9259 (Lo-16bits)           |
| HR9261           | FRQV1:f>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9262           | FRQV1:f>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9263           | FRQV1:f>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9264           | FRQV1:f>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9265           | FRQV1:f>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9266           | FRQV1:f>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9267           | FRQV1:f>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9268           | FRQV1:f>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9269           | FRQV1:f>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9270           |                                 |        |        | HR9269 (Lo-16bits)           |
| HR9271           | FRQV1:f>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9272           |                                 |        |        | HR9271 (Lo-16bits)           |
| HR9273           | FRQV1:f>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9274           |                                 |        |        | HR9273 (Lo-16bits)           |

| Holding Register | Parameter                        | Access | Length | Info                         |
|------------------|----------------------------------|--------|--------|------------------------------|
| HR9275           | FRQV1:f>> pick-up                | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9276           |                                  |        |        | HR9275 (Lo-16bits)           |
| HR9277           | FRQV1:f>> pick-up                | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9278           |                                  |        |        | HR9277 (Lo-16bits)           |
| HR9279           | FRQV1:f>> pick-up                | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9280           |                                  |        |        | HR9279 (Lo-16bits)           |
| HR9281           | FRQV1:f>> pick-up                | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9282           |                                  |        |        | HR9281 (Lo-16bits)           |
| HR9283           | FRQV1:f>> pick-up                | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9284           |                                  |        |        | HR9283 (Lo-16bits)           |
| HR9285           | FRQV1:f>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9286           |                                  |        |        | HR9285 (Lo-16bits)           |
| HR9287           | FRQV1:f>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9288           |                                  |        |        | HR9287 (Lo-16bits)           |
| HR9289           | FRQV1:f>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9290           |                                  |        |        | HR9289 (Lo-16bits)           |
| HR9291           | FRQV1:f>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9292           |                                  |        |        | HR9291 (Lo-16bits)           |
| HR9293           | FRQV1:f>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9294           |                                  |        |        | HR9293 (Lo-16bits)           |
| HR9295           | FRQV1:f>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9296           |                                  |        |        | HR9295 (Lo-16bits)           |
| HR9297           | FRQV1:f>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9298           |                                  |        |        | HR9297 (Lo-16bits)           |
| HR9299           | FRQV1:f>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9300           |                                  |        |        | HR9299 (Lo-16bits)           |
| HR9301           | FRQV1:f>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9302           | FRQV1:f>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9303           | FRQV1:f>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9304           | FRQV1:f>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |

| Holding Register | Parameter                        | Access | Length | Info                         |
|------------------|----------------------------------|--------|--------|------------------------------|
| HR9305           | FRQV1:f>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9306           | FRQV1:f>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9307           | FRQV1:f>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9308           | FRQV1:f>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9309           | FRQV1:f>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9310           |                                  |        |        | HR9309 (Lo-16bits)           |
| HR9311           | FRQV1:f>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9312           |                                  |        |        | HR9311 (Lo-16bits)           |
| HR9313           | FRQV1:f>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9314           |                                  |        |        | HR9313 (Lo-16bits)           |
| HR9315           | FRQV1:f>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9316           |                                  |        |        | HR9315 (Lo-16bits)           |
| HR9317           | FRQV1:f>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9318           |                                  |        |        | HR9317 (Lo-16bits)           |
| HR9319           | FRQV1:f>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9320           |                                  |        |        | HR9319 (Lo-16bits)           |
| HR9321           | FRQV1:f>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9322           |                                  |        |        | HR9321 (Lo-16bits)           |
| HR9323           | FRQV1:f>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9324           |                                  |        |        | HR9323 (Lo-16bits)           |
| HR9325           | FRQV1:f>>> operating time        | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9326           |                                  |        |        | HR9325 (Lo-16bits)           |
| HR9327           | FRQV1:f>>> operating time        | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9328           |                                  |        |        | HR9327 (Lo-16bits)           |
| HR9329           | FRQV1:f>>> operating time        | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9330           |                                  |        |        | HR9329 (Lo-16bits)           |
| HR9331           | FRQV1:f>>> operating time        | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9332           |                                  |        |        | HR9331 (Lo-16bits)           |
| HR9333           | FRQV1:f>>> operating time        | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9334           |                                  |        |        | HR9333 (Lo-16bits)           |

| Holding Register | Parameter                         | Access | Length | Info                         |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR9335           | FRQV1:f>>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9336           |                                   |        |        | HR9335 (Lo-16bits)           |
| HR9337           | FRQV1:f>>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9338           |                                   |        |        | HR9337 (Lo-16bits)           |
| HR9339           | FRQV1:f>>> operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9340           |                                   |        |        | HR9339 (Lo-16bits)           |
| HR9341           | FRQV1:f>>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9342           | FRQV1:f>>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9343           | FRQV1:f>>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9344           | FRQV1:f>>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9345           | FRQV1:f>>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9346           | FRQV1:f>>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9347           | FRQV1:f>>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9348           | FRQV1:f>>>> used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9349           | FRQV1:f>>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9350           |                                   |        |        | HR9349 (Lo-16bits)           |
| HR9351           | FRQV1:f>>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9352           |                                   |        |        | HR9351 (Lo-16bits)           |
| HR9353           | FRQV1:f>>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9354           |                                   |        |        | HR9353 (Lo-16bits)           |
| HR9355           | FRQV1:f>>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9356           |                                   |        |        | HR9355 (Lo-16bits)           |
| HR9357           | FRQV1:f>>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9358           |                                   |        |        | HR9357 (Lo-16bits)           |
| HR9359           | FRQV1:f>>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9360           |                                   |        |        | HR9359 (Lo-16bits)           |
| HR9361           | FRQV1:f>>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9362           |                                   |        |        | HR9361 (Lo-16bits)           |
| HR9363           | FRQV1:f>>>> pick-up               | R(W)   | 2      | FLOAT [10...70] (Hi-16bits)  |
| HR9364           |                                   |        |        | HR9363 (Lo-16bits)           |

| Holding Register | Parameter                      | Access | Length | Info                         |
|------------------|--------------------------------|--------|--------|------------------------------|
| HR9365           | FRQV1:f>>>> operating time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9366           |                                |        |        | HR9365 (Lo-16bits)           |
| HR9367           | FRQV1:f>>>> operating time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9368           |                                |        |        | HR9367 (Lo-16bits)           |
| HR9369           | FRQV1:f>>>> operating time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9370           |                                |        |        | HR9369 (Lo-16bits)           |
| HR9371           | FRQV1:f>>>> operating time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9372           |                                |        |        | HR9371 (Lo-16bits)           |
| HR9373           | FRQV1:f>>>> operating time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9374           |                                |        |        | HR9373 (Lo-16bits)           |
| HR9375           | FRQV1:f>>>> operating time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9376           |                                |        |        | HR9375 (Lo-16bits)           |
| HR9377           | FRQV1:f>>>> operating time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9378           |                                |        |        | HR9377 (Lo-16bits)           |
| HR9379           | FRQV1:f>>>> operating time     | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9380           |                                |        |        | HR9379 (Lo-16bits)           |
| HR9381           | FRQV1:f< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9382           | FRQV1:f< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9383           | FRQV1:f< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9384           | FRQV1:f< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9385           | FRQV1:f< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9386           | FRQV1:f< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9387           | FRQV1:f< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9388           | FRQV1:f< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9389           | FRQV1:f< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9390           |                                |        |        | HR9389 (Lo-16bits)           |
| HR9391           | FRQV1:f< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9392           |                                |        |        | HR9391 (Lo-16bits)           |
| HR9393           | FRQV1:f< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9394           |                                |        |        | HR9393 (Lo-16bits)           |

| Holding Register | Parameter                       | Access | Length | Info                         |
|------------------|---------------------------------|--------|--------|------------------------------|
| HR9395           | FRQV1:f< pick-up                | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9396           |                                 |        |        | HR9395 (Lo-16bits)           |
| HR9397           | FRQV1:f< pick-up                | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9398           |                                 |        |        | HR9397 (Lo-16bits)           |
| HR9399           | FRQV1:f< pick-up                | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9400           |                                 |        |        | HR9399 (Lo-16bits)           |
| HR9401           | FRQV1:f< pick-up                | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9402           |                                 |        |        | HR9401 (Lo-16bits)           |
| HR9403           | FRQV1:f< pick-up                | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9404           |                                 |        |        | HR9403 (Lo-16bits)           |
| HR9405           | FRQV1:f< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9406           |                                 |        |        | HR9405 (Lo-16bits)           |
| HR9407           | FRQV1:f< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9408           |                                 |        |        | HR9407 (Lo-16bits)           |
| HR9409           | FRQV1:f< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9410           |                                 |        |        | HR9409 (Lo-16bits)           |
| HR9411           | FRQV1:f< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9412           |                                 |        |        | HR9411 (Lo-16bits)           |
| HR9413           | FRQV1:f< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9414           |                                 |        |        | HR9413 (Lo-16bits)           |
| HR9415           | FRQV1:f< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9416           |                                 |        |        | HR9415 (Lo-16bits)           |
| HR9417           | FRQV1:f< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9418           |                                 |        |        | HR9417 (Lo-16bits)           |
| HR9419           | FRQV1:f< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9420           |                                 |        |        | HR9419 (Lo-16bits)           |
| HR9421           | FRQV1:f<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9422           | FRQV1:f<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9423           | FRQV1:f<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9424           | FRQV1:f<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |

| Holding Register | Parameter                       | Access | Length | Info                         |
|------------------|---------------------------------|--------|--------|------------------------------|
| HR9425           | FRQV1:f<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9426           | FRQV1:f<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9427           | FRQV1:f<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9428           | FRQV1:f<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9429           | FRQV1:f<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9430           |                                 |        |        | HR9429 (Lo-16bits)           |
| HR9431           | FRQV1:f<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9432           |                                 |        |        | HR9431 (Lo-16bits)           |
| HR9433           | FRQV1:f<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9434           |                                 |        |        | HR9433 (Lo-16bits)           |
| HR9435           | FRQV1:f<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9436           |                                 |        |        | HR9435 (Lo-16bits)           |
| HR9437           | FRQV1:f<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9438           |                                 |        |        | HR9437 (Lo-16bits)           |
| HR9439           | FRQV1:f<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9440           |                                 |        |        | HR9439 (Lo-16bits)           |
| HR9441           | FRQV1:f<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9442           |                                 |        |        | HR9441 (Lo-16bits)           |
| HR9443           | FRQV1:f<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9444           |                                 |        |        | HR9443 (Lo-16bits)           |
| HR9445           | FRQV1:f<< operating time        | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9446           |                                 |        |        | HR9445 (Lo-16bits)           |
| HR9447           | FRQV1:f<< operating time        | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9448           |                                 |        |        | HR9447 (Lo-16bits)           |
| HR9449           | FRQV1:f<< operating time        | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9450           |                                 |        |        | HR9449 (Lo-16bits)           |
| HR9451           | FRQV1:f<< operating time        | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9452           |                                 |        |        | HR9451 (Lo-16bits)           |
| HR9453           | FRQV1:f<< operating time        | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9454           |                                 |        |        | HR9453 (Lo-16bits)           |

| Holding Register | Parameter                         | Access | Length | Info                         |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR9455           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9456           |                                   |        |        | HR9455 (Lo-16bits)           |
| HR9457           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9458           |                                   |        |        | HR9457 (Lo-16bits)           |
| HR9459           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9460           |                                   |        |        | HR9459 (Lo-16bits)           |
| HR9461           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9462           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9463           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9464           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9465           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9466           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9467           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9468           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9469           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9470           |                                   |        |        | HR9469 (Lo-16bits)           |
| HR9471           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9472           |                                   |        |        | HR9471 (Lo-16bits)           |
| HR9473           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9474           |                                   |        |        | HR9473 (Lo-16bits)           |
| HR9475           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9476           |                                   |        |        | HR9475 (Lo-16bits)           |
| HR9477           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9478           |                                   |        |        | HR9477 (Lo-16bits)           |
| HR9479           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9480           |                                   |        |        | HR9479 (Lo-16bits)           |
| HR9481           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9482           |                                   |        |        | HR9481 (Lo-16bits)           |
| HR9483           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9484           |                                   |        |        | HR9483 (Lo-16bits)           |



| Holding Register | Parameter                         | Access | Length | Info                         |
|------------------|-----------------------------------|--------|--------|------------------------------|
| HR9485           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9486           |                                   |        |        | HR9485 (Lo-16bits)           |
| HR9487           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9488           |                                   |        |        | HR9487 (Lo-16bits)           |
| HR9489           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9490           |                                   |        |        | HR9489 (Lo-16bits)           |
| HR9491           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9492           |                                   |        |        | HR9491 (Lo-16bits)           |
| HR9493           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9494           |                                   |        |        | HR9493 (Lo-16bits)           |
| HR9495           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9496           |                                   |        |        | HR9495 (Lo-16bits)           |
| HR9497           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9498           |                                   |        |        | HR9497 (Lo-16bits)           |
| HR9499           | FRQV1:f<<< operating time         | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR9500           |                                   |        |        | HR9499 (Lo-16bits)           |
| HR9501           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9502           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9503           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9504           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9505           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9506           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9507           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9508           | FRQV1:f<<<< used in setting group | R(W)   | 1      | 0=No 1=Yes                   |
| HR9509           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9510           |                                   |        |        | HR9509 (Lo-16bits)           |
| HR9511           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9512           |                                   |        |        | HR9511 (Lo-16bits)           |
| HR9513           | FRQV1:f<<<< pick-up               | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)   |
| HR9514           |                                   |        |        | HR9513 (Lo-16bits)           |

| Holding Register | Parameter                  | Access | Length | Info                                |
|------------------|----------------------------|--------|--------|-------------------------------------|
| HR9515           | FRQV1:f<<<< pick-up        | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)          |
| HR9516           |                            |        |        | HR9515 (Lo-16bits)                  |
| HR9517           | FRQV1:f<<<< pick-up        | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)          |
| HR9518           |                            |        |        | HR9517 (Lo-16bits)                  |
| HR9519           | FRQV1:f<<<< pick-up        | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)          |
| HR9520           |                            |        |        | HR9519 (Lo-16bits)                  |
| HR9521           | FRQV1:f<<<< pick-up        | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)          |
| HR9522           |                            |        |        | HR9521 (Lo-16bits)                  |
| HR9523           | FRQV1:f<<<< pick-up        | R(W)   | 2      | FLOAT [7...65] (Hi-16bits)          |
| HR9524           |                            |        |        | HR9523 (Lo-16bits)                  |
| HR9525           | FRQV1:f<<<< operating time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)        |
| HR9526           |                            |        |        | HR9525 (Lo-16bits)                  |
| HR9527           | FRQV1:f<<<< operating time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)        |
| HR9528           |                            |        |        | HR9527 (Lo-16bits)                  |
| HR9529           | FRQV1:f<<<< operating time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)        |
| HR9530           |                            |        |        | HR9529 (Lo-16bits)                  |
| HR9531           | FRQV1:f<<<< operating time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)        |
| HR9532           |                            |        |        | HR9531 (Lo-16bits)                  |
| HR9533           | FRQV1:f<<<< operating time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)        |
| HR9534           |                            |        |        | HR9533 (Lo-16bits)                  |
| HR9535           | FRQV1:f<<<< operating time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)        |
| HR9536           |                            |        |        | HR9535 (Lo-16bits)                  |
| HR9537           | FRQV1:f<<<< operating time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)        |
| HR9538           |                            |        |        | HR9537 (Lo-16bits)                  |
| HR9539           | FRQV1:f<<<< operating time | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)        |
| HR9540           |                            |        |        | HR9539 (Lo-16bits)                  |
| HR9541           | DEV:Serial number          | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR9542           |                            |        |        | HR9541 (Lo-16bits)                  |
| HR9543           | DEV:Firmware version       | R      | 2      | STRING [...32] (Hi-16bits)          |
| HR9544           |                            |        |        | HR9543 (Lo-16bits)                  |

| Holding Register | Parameter                  | Access | Length | Info                        |
|------------------|----------------------------|--------|--------|-----------------------------|
| HR9545           | DEV:Firmware version       | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9546           |                            |        |        | HR9545 (Lo-16bits)          |
| HR9547           | DEV:Firmware version       | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9548           |                            |        |        | HR9547 (Lo-16bits)          |
| HR9549           | DEV:Firmware version       | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9550           |                            |        |        | HR9549 (Lo-16bits)          |
| HR9551           | DEV:Firmware version       | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9552           |                            |        |        | HR9551 (Lo-16bits)          |
| HR9553           | DEV:Firmware version       | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9554           |                            |        |        | HR9553 (Lo-16bits)          |
| HR9555           | DEV:Firmware version       | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9556           |                            |        |        | HR9555 (Lo-16bits)          |
| HR9557           | DEV:Firmware version       | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9558           |                            |        |        | HR9557 (Lo-16bits)          |
| HR9559           | DEV:Firmware version       | R      | 2      | STRING [...32] (Hi-16bits)  |
| HR9560           |                            |        |        | HR9559 (Lo-16bits)          |
| HR9561           | DEV:Hardware configuration | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9562           |                            |        |        | HR9561 (Lo-16bits)          |
| HR9563           | DEV:Hardware configuration | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9564           |                            |        |        | HR9563 (Lo-16bits)          |
| HR9565           | DEV:Hardware configuration | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9566           |                            |        |        | HR9565 (Lo-16bits)          |
| HR9567           | DEV:Hardware configuration | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9568           |                            |        |        | HR9567 (Lo-16bits)          |
| HR9569           | DEV:Hardware configuration | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9570           |                            |        |        | HR9569 (Lo-16bits)          |
| HR9571           | DEV:Hardware configuration | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9572           |                            |        |        | HR9571 (Lo-16bits)          |
| HR9573           | DEV:Hardware configuration | R      | 2      | STRING [0...32] (Hi-16bits) |
| HR9574           |                            |        |        | HR9573 (Lo-16bits)          |

| Holding Register | Parameter                                                     | Access | Length | Info                            |
|------------------|---------------------------------------------------------------|--------|--------|---------------------------------|
| HR9575           | DEV:Hardware configuration                                    | R      | 2      | STRING [0...32] (Hi-16bits)     |
| HR9576           |                                                               |        |        | HR9575 (Lo-16bits)              |
| HR9577           | DEV:Hardware configuration                                    | R      | 2      | STRING [0...32] (Hi-16bits)     |
| HR9578           |                                                               |        |        | HR9577 (Lo-16bits)              |
| HR9579           | MBTCP:Enable mapped setting value modification through Modbus | RW     | 1      | 0=Disabled 1=Enabled            |
| HR9580           | M1CT1:Phase CT primary                                        | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)   |
| HR9581           |                                                               |        |        | HR9580 (Lo-16bits)              |
| HR9582           | M1CT1:Phase CT secondary                                      | R(W)   | 2      | FLOAT [0.2...10] (Hi-16bits)    |
| HR9583           |                                                               |        |        | HR9582 (Lo-16bits)              |
| HR9584           | M1CT2:I01 CT primary                                          | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR9585           |                                                               |        |        | HR9584 (Lo-16bits)              |
| HR9586           | M1CT2:I01 CT secondary                                        | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)    |
| HR9587           |                                                               |        |        | HR9586 (Lo-16bits)              |
| HR9588           | M1CT3:I02 CT primary                                          | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR9589           |                                                               |        |        | HR9588 (Lo-16bits)              |
| HR9590           | M1CT3:I02 CT secondary                                        | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR9591           |                                                               |        |        | HR9590 (Lo-16bits)              |
| HR9592           | M2CT1:Phase CT primary                                        | R(W)   | 2      | FLOAT [1...25000] (Hi-16bits)   |
| HR9593           |                                                               |        |        | HR9592 (Lo-16bits)              |
| HR9594           | M2CT1:Phase CT secondary                                      | R(W)   | 2      | FLOAT [0.2...10] (Hi-16bits)    |
| HR9595           |                                                               |        |        | HR9594 (Lo-16bits)              |
| HR9596           | M2CT2:I"01 CT primary                                         | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR9597           |                                                               |        |        | HR9596 (Lo-16bits)              |
| HR9598           | M2CT2:I"01 CT secondary                                       | R(W)   | 2      | FLOAT [0.1...10] (Hi-16bits)    |
| HR9599           |                                                               |        |        | HR9598 (Lo-16bits)              |
| HR9600           | M2CT3:I"02 CT primary                                         | R(W)   | 2      | FLOAT [0.2...25000] (Hi-16bits) |
| HR9601           |                                                               |        |        | HR9600 (Lo-16bits)              |
| HR9602           | M2CT3:I"02 CT secondary                                       | R(W)   | 2      | FLOAT [0.001...10] (Hi-16bits)  |
| HR9603           |                                                               |        |        | HR9602 (Lo-16bits)              |
| HR9604           | M1VT1:VT Primary                                              | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |

| Holding Register | Parameter                     | Access | Length | Info                            |
|------------------|-------------------------------|--------|--------|---------------------------------|
| HR9605           |                               |        |        | HR9604 (Lo-16bits)              |
| HR9606           | M1VT1:VT Secondary            | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR9607           |                               |        |        | HR9606 (Lo-16bits)              |
| HR9608           | M1VT1:U3 Res/SS VT Primary    | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR9609           |                               |        |        | HR9608 (Lo-16bits)              |
| HR9610           | M1VT1:U3 Res/SS VT Secondary  | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR9611           |                               |        |        | HR9610 (Lo-16bits)              |
| HR9612           | M1VT1:U4 Res/SS VT Primary    | R(W)   | 2      | FLOAT [1...1000000] (Hi-16bits) |
| HR9613           |                               |        |        | HR9612 (Lo-16bits)              |
| HR9614           | M1VT1:U4 Res/SS VT Secondary  | R(W)   | 2      | FLOAT [0.2...400] (Hi-16bits)   |
| HR9615           |                               |        |        | HR9614 (Lo-16bits)              |
| HR9616           | NOC1:l> [50/51] mode          | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9617           | NOC2:l>> [50/51] mode         | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9618           | NOC3:l>>> [50/51] mode        | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9619           | NOC4:l>>>> [50/51] mode       | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9620           | NEF1:l0> [50N/51N] mode       | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9621           | NEF2:l0>> [50N/51N] mode      | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9622           | NEF3:l0>>> [50N/51N] mode     | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9623           | NEF4:l0>>>> [50N/51N] mode    | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9624           | CUB1:l2> [46 46R 46L] mode    | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9625           | CUB2:l2>> [46 46R 46L] mode   | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9626           | CUB3:l2>>> [46 46R 46L] mode  | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9627           | CUB4:l2>>>> [46 46R 46L] mode | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9628           | OV1:U> [59] mode              | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9629           | OV2:U>> [59] mode             | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9630           | OV3:U>>> [59] mode            | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9631           | OV4:U>>>> [59] mode           | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9632           | UV1:U< [27] mode              | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9633           | UV2:U<< [27] mode             | R(W)   | 1      | 0=Disabled 1=Activated          |
| HR9634           | UV3:U<<< [27] mode            | R(W)   | 1      | 0=Disabled 1=Activated          |

| Holding Register | Parameter                                    | Access | Length | Info                                    |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------|
| HR9635           | UV4:U<<<< [27] mode                          | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9636           | VUB1:U1/2 >/< [47/27PN/59PN] mode            | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9637           | VUB2:U1/2 >>/<< [47/27PN/59PN] mode          | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9638           | VUB3:U1/2 >>>/<<< [47/27PN/59PN] mode        | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9639           | VUB4:U1/2 >>>>/<<<< [47/27PN/59PN] mode      | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9640           | FRQV1:f</> [81O/81U] mode                    | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9641           | DOC1:ldir> [67] mode                         | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9642           | DOC2:ldir>> [67] mode                        | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9643           | DOC3:ldir>>> [67] mode                       | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9644           | DOC4:ldir>>>> [67] mode                      | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9645           | DEF1:I0dir> [67N/32N] mode                   | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9646           | DEF2:I0dir>> [67N/32N] mode                  | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9647           | DEF3:I0dir>>> [67N/32N] mode                 | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9648           | DEF4:I0dir>>>> [67N/32N] mode                | R(W)   | 1      | 0=Disabled 1=Activated                  |
| HR9649           | LOGIC:Logical double bit Input 1             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9650           |                                              |        |        | HR9649 (Lo-16bits)                      |
| HR9651           | LOGIC:State00 for Logical double bit Input 1 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9652           |                                              |        |        | HR9651 (Lo-16bits)                      |
| HR9653           | LOGIC:State01 for Logical double bit Input 1 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9654           |                                              |        |        | HR9653 (Lo-16bits)                      |
| HR9655           | LOGIC:State10 for Logical double bit Input 1 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9656           |                                              |        |        | HR9655 (Lo-16bits)                      |
| HR9657           | LOGIC:State11 for Logical double bit Input 1 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9658           |                                              |        |        | HR9657 (Lo-16bits)                      |
| HR9659           | LOGIC:Logical double bit Input 2             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length | Info                                    |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------|
| HR9660           |                                              |        |        | HR9659 (Lo-16bits)                      |
| HR9661           | LOGIC:State00 for Logical double bit Input 2 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9662           |                                              |        |        | HR9661 (Lo-16bits)                      |
| HR9663           | LOGIC:State01 for Logical double bit Input 2 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9664           |                                              |        |        | HR9663 (Lo-16bits)                      |
| HR9665           | LOGIC:State10 for Logical double bit Input 2 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9666           |                                              |        |        | HR9665 (Lo-16bits)                      |
| HR9667           | LOGIC:State11 for Logical double bit Input 2 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9668           |                                              |        |        | HR9667 (Lo-16bits)                      |
| HR9669           | LOGIC:Logical double bit Input 3             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9670           |                                              |        |        | HR9669 (Lo-16bits)                      |
| HR9671           | LOGIC:State00 for Logical double bit Input 3 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9672           |                                              |        |        | HR9671 (Lo-16bits)                      |
| HR9673           | LOGIC:State01 for Logical double bit Input 3 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9674           |                                              |        |        | HR9673 (Lo-16bits)                      |
| HR9675           | LOGIC:State10 for Logical double bit Input 3 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9676           |                                              |        |        | HR9675 (Lo-16bits)                      |
| HR9677           | LOGIC:State11 for Logical double bit Input 3 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9678           |                                              |        |        | HR9677 (Lo-16bits)                      |
| HR9679           | LOGIC:Logical double bit Input 4             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9680           |                                              |        |        | HR9679 (Lo-16bits)                      |
| HR9681           | LOGIC:State00 for Logical double bit Input 4 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9682           |                                              |        |        | HR9681 (Lo-16bits)                      |
| HR9683           | LOGIC:State01 for Logical double bit Input 4 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length | Info                                    |
|------------------|----------------------------------------------|--------|--------|-----------------------------------------|
| HR9684           |                                              |        |        | HR9683 (Lo-16bits)                      |
| HR9685           | LOGIC:State10 for Logical double bit Input 4 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9686           |                                              |        |        | HR9685 (Lo-16bits)                      |
| HR9687           | LOGIC:State11 for Logical double bit Input 4 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9688           |                                              |        |        | HR9687 (Lo-16bits)                      |
| HR9689           | LOGIC:Logical double bit Input 5             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9690           |                                              |        |        | HR9689 (Lo-16bits)                      |
| HR9691           | LOGIC:State00 for Logical double bit Input 5 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9692           |                                              |        |        | HR9691 (Lo-16bits)                      |
| HR9693           | LOGIC:State01 for Logical double bit Input 5 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9694           |                                              |        |        | HR9693 (Lo-16bits)                      |
| HR9695           | LOGIC:State10 for Logical double bit Input 5 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9696           |                                              |        |        | HR9695 (Lo-16bits)                      |
| HR9697           | LOGIC:State11 for Logical double bit Input 5 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9698           |                                              |        |        | HR9697 (Lo-16bits)                      |
| HR9699           | LOGIC:Logical double bit Input 6             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9700           |                                              |        |        | HR9699 (Lo-16bits)                      |
| HR9701           | LOGIC:State00 for Logical double bit Input 6 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9702           |                                              |        |        | HR9701 (Lo-16bits)                      |
| HR9703           | LOGIC:State01 for Logical double bit Input 6 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9704           |                                              |        |        | HR9703 (Lo-16bits)                      |
| HR9705           | LOGIC:State10 for Logical double bit Input 6 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9706           |                                              |        |        | HR9705 (Lo-16bits)                      |
| HR9707           | LOGIC:State11 for Logical double bit Input 6 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |



| Holding Register | Parameter                                    | Access | Length | Info                                       |
|------------------|----------------------------------------------|--------|--------|--------------------------------------------|
| HR9708           |                                              |        |        | HR9707 (Lo-16bits)                         |
| HR9709           | LOGIC:Logical double bit Input 7             | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9710           |                                              |        |        | HR9709 (Lo-16bits)                         |
| HR9711           | LOGIC:State00 for Logical double bit Input 7 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9712           |                                              |        |        | HR9711 (Lo-16bits)                         |
| HR9713           | LOGIC:State01 for Logical double bit Input 7 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9714           |                                              |        |        | HR9713 (Lo-16bits)                         |
| HR9715           | LOGIC:State10 for Logical double bit Input 7 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9716           |                                              |        |        | HR9715 (Lo-16bits)                         |
| HR9717           | LOGIC:State11 for Logical double bit Input 7 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9718           |                                              |        |        | HR9717 (Lo-16bits)                         |
| HR9719           | LOGIC:Logical double bit Input 8             | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9720           |                                              |        |        | HR9719 (Lo-16bits)                         |
| HR9721           | LOGIC:State00 for Logical double bit Input 8 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9722           |                                              |        |        | HR9721 (Lo-16bits)                         |
| HR9723           | LOGIC:State01 for Logical double bit Input 8 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9724           |                                              |        |        | HR9723 (Lo-16bits)                         |
| HR9725           | LOGIC:State10 for Logical double bit Input 8 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9726           |                                              |        |        | HR9725 (Lo-16bits)                         |
| HR9727           | LOGIC:State11 for Logical double bit Input 8 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9728           |                                              |        |        | HR9727 (Lo-16bits)                         |
| HR9729           | LOGIC:Logical double bit Input 9             | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9730           |                                              |        |        | HR9729 (Lo-16bits)                         |
| HR9731           | LOGIC:State00 for Logical double bit Input 9 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |

| Holding Register | Parameter                                     | Access | Length | Info                                                                                                                                                                                                             |
|------------------|-----------------------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR9732           |                                               |        |        | HR9731 (Lo-16bits)                                                                                                                                                                                               |
| HR9733           | LOGIC:State01 for Logical double bit Input 9  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                          |
| HR9734           |                                               |        |        | HR9733 (Lo-16bits)                                                                                                                                                                                               |
| HR9735           | LOGIC:State10 for Logical double bit Input 9  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                          |
| HR9736           |                                               |        |        | HR9735 (Lo-16bits)                                                                                                                                                                                               |
| HR9737           | LOGIC:State11 for Logical double bit Input 9  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                          |
| HR9738           |                                               |        |        | HR9737 (Lo-16bits)                                                                                                                                                                                               |
| HR9739           | LOGIC:Logical double bit Input 10             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                          |
| HR9740           |                                               |        |        | HR9739 (Lo-16bits)                                                                                                                                                                                               |
| HR9741           | LOGIC:State00 for Logical double bit Input 10 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                          |
| HR9742           |                                               |        |        | HR9741 (Lo-16bits)                                                                                                                                                                                               |
| HR9743           | LOGIC:State01 for Logical double bit Input 10 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                          |
| HR9744           |                                               |        |        | HR9743 (Lo-16bits)                                                                                                                                                                                               |
| HR9745           | LOGIC:State10 for Logical double bit Input 10 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                          |
| HR9746           |                                               |        |        | HR9745 (Lo-16bits)                                                                                                                                                                                               |
| HR9747           | LOGIC:State11 for Logical double bit Input 10 | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                          |
| HR9748           |                                               |        |        | HR9747 (Lo-16bits)                                                                                                                                                                                               |
| HR9749           | NOCS1:IPW> condition                          | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=StartL1 5=StartL2 6=StartL3 7=TripL1<br>8=TripL2 9=TripL3 10=StartL1-2<br>11=StartL2-3 12=StartL3-1 13=TripL1-2<br>14=TripL2-3 15=TripL31 16=StartL1-2-3<br>17=TripL1-2-3 |
| HR9750           | NOCS2:IPW>> condition                         | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=StartL1 5=StartL2 6=StartL3 7=TripL1<br>8=TripL2 9=TripL3 10=StartL1-2<br>11=StartL2-3 12=StartL3-1 13=TripL1-2<br>14=TripL2-3 15=TripL31 16=StartL1-2-3<br>17=TripL1-2-3 |
| HR9751           | OBJS1:Phase-wise object Breaker Status A(L1)  | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                                                                                                                                                                             |

| Holding Register | Parameter                                    | Access | Length | Info                                                          |
|------------------|----------------------------------------------|--------|--------|---------------------------------------------------------------|
| HR9752           | OBJS1:Phase-wise object Breaker Status B(L2) | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                          |
| HR9753           | OBJS1:Phase-wise object Breaker Status C(L3) | R      | 1      | 0=Intermediate 1=Open 2=Closed 3=Bad                          |
| HR9754           | OBJS1:Phase-wise object Withdraw Status      | R      | 1      | 0=WDIntermediate 1=WDCartOut 2=WDCart In 3=WDBad 4=Not in use |
| HR9755           | LOGIC:Logical Input 1                        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                       |
| HR9756           |                                              |        |        | HR9755 (Lo-16bits)                                            |
| HR9757           | LOGIC:Logical Input 2                        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                       |
| HR9758           |                                              |        |        | HR9757 (Lo-16bits)                                            |
| HR9759           | LOGIC:Logical Input 3                        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                       |
| HR9760           |                                              |        |        | HR9759 (Lo-16bits)                                            |
| HR9761           | LOGIC:Logical Input 4                        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                       |
| HR9762           |                                              |        |        | HR9761 (Lo-16bits)                                            |
| HR9763           | LOGIC:Logical Input 5                        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                       |
| HR9764           |                                              |        |        | HR9763 (Lo-16bits)                                            |
| HR9765           | LOGIC:Logical Input 6                        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                       |
| HR9766           |                                              |        |        | HR9765 (Lo-16bits)                                            |
| HR9767           | LOGIC:Logical Input 7                        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                       |
| HR9768           |                                              |        |        | HR9767 (Lo-16bits)                                            |
| HR9769           | LOGIC:Logical Input 8                        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                       |
| HR9770           |                                              |        |        | HR9769 (Lo-16bits)                                            |
| HR9771           | LOGIC:Logical Input 9                        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                       |
| HR9772           |                                              |        |        | HR9771 (Lo-16bits)                                            |
| HR9773           | LOGIC:Logical Input 10                       | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                       |
| HR9774           |                                              |        |        | HR9773 (Lo-16bits)                                            |

| Holding Register | Parameter              | Access | Length | Info                                       |
|------------------|------------------------|--------|--------|--------------------------------------------|
| HR9775           | LOGIC:Logical Input 11 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9776           |                        |        |        | HR9775 (Lo-16bits)                         |
| HR9777           | LOGIC:Logical Input 12 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9778           |                        |        |        | HR9777 (Lo-16bits)                         |
| HR9779           | LOGIC:Logical Input 13 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9780           |                        |        |        | HR9779 (Lo-16bits)                         |
| HR9781           | LOGIC:Logical Input 14 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9782           |                        |        |        | HR9781 (Lo-16bits)                         |
| HR9783           | LOGIC:Logical Input 15 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9784           |                        |        |        | HR9783 (Lo-16bits)                         |
| HR9785           | LOGIC:Logical Input 16 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9786           |                        |        |        | HR9785 (Lo-16bits)                         |
| HR9787           | LOGIC:Logical Input 17 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9788           |                        |        |        | HR9787 (Lo-16bits)                         |
| HR9789           | LOGIC:Logical Input 18 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9790           |                        |        |        | HR9789 (Lo-16bits)                         |
| HR9791           | LOGIC:Logical Input 19 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9792           |                        |        |        | HR9791 (Lo-16bits)                         |
| HR9793           | LOGIC:Logical Input 20 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9794           |                        |        |        | HR9793 (Lo-16bits)                         |
| HR9795           | LOGIC:Logical Input 21 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9796           |                        |        |        | HR9795 (Lo-16bits)                         |
| HR9797           | LOGIC:Logical Input 22 | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits) |
| HR9798           |                        |        |        | HR9797 (Lo-16bits)                         |

| Holding Register | Parameter               | Access | Length | Info                                    |
|------------------|-------------------------|--------|--------|-----------------------------------------|
| HR9799           | LOGIC:Logical Input 23  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9800           |                         |        |        | HR9799 (Lo-16bits)                      |
| HR9801           | LOGIC:Logical Input 24  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9802           |                         |        |        | HR9801 (Lo-16bits)                      |
| HR9803           | LOGIC:Logical Input 25  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9804           |                         |        |        | HR9803 (Lo-16bits)                      |
| HR9805           | LOGIC:Logical Input 26  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9806           |                         |        |        | HR9805 (Lo-16bits)                      |
| HR9807           | LOGIC:Logical Input 27  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9808           |                         |        |        | HR9807 (Lo-16bits)                      |
| HR9809           | LOGIC:Logical Input 28  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9810           |                         |        |        | HR9809 (Lo-16bits)                      |
| HR9811           | LOGIC:Logical Input 29  | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR9812           |                         |        |        | HR9811 (Lo-16bits)                      |
| HR9813           | MEAS1:IL1 Amplitude THD | R      | 2      | FLOAT [0...100000] (Hi-16bits)          |
| HR9814           |                         |        |        | HR9813 (Lo-16bits)                      |
| HR9815           | MEAS1:IL1 Power THD     | R      | 2      | FLOAT [0...100000] (Hi-16bits)          |
| HR9816           |                         |        |        | HR9815 (Lo-16bits)                      |
| HR9817           | MEAS1:IL2 Amplitude THD | R      | 2      | FLOAT [0...100000] (Hi-16bits)          |
| HR9818           |                         |        |        | HR9817 (Lo-16bits)                      |
| HR9819           | MEAS1:IL2 Power THD     | R      | 2      | FLOAT [0...100000] (Hi-16bits)          |
| HR9820           |                         |        |        | HR9819 (Lo-16bits)                      |
| HR9821           | MEAS1:IL3 Amplitude THD | R      | 2      | FLOAT [0...100000] (Hi-16bits)          |
| HR9822           |                         |        |        | HR9821 (Lo-16bits)                      |
| HR9823           | MEAS1:IL3 Power THD     | R      | 2      | FLOAT [0...100000] (Hi-16bits)          |
| HR9824           |                         |        |        | HR9823 (Lo-16bits)                      |
| HR9825           | MEAS1:I01 Amplitude THD | R      | 2      | FLOAT [0...100000] (Hi-16bits)          |

| Holding Register | Parameter                | Access | Length | Info                           |
|------------------|--------------------------|--------|--------|--------------------------------|
| HR9826           |                          |        |        | HR9825 (Lo-16bits)             |
| HR9827           | MEAS1:I01 Power THD      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9828           |                          |        |        | HR9827 (Lo-16bits)             |
| HR9829           | MEAS1:I02 Amplitude THD  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9830           |                          |        |        | HR9829 (Lo-16bits)             |
| HR9831           | MEAS1:I02 Power THD      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9832           |                          |        |        | HR9831 (Lo-16bits)             |
| HR9833           | MEAS2:I"L1 Amplitude THD | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9834           |                          |        |        | HR9833 (Lo-16bits)             |
| HR9835           | MEAS2:I"L1 Power THD     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9836           |                          |        |        | HR9835 (Lo-16bits)             |
| HR9837           | MEAS2:I"L2 Amplitude THD | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9838           |                          |        |        | HR9837 (Lo-16bits)             |
| HR9839           | MEAS2:I"L2 Power THD     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9840           |                          |        |        | HR9839 (Lo-16bits)             |
| HR9841           | MEAS2:I"L3 Amplitude THD | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9842           |                          |        |        | HR9841 (Lo-16bits)             |
| HR9843           | MEAS2:I"L3 Power THD     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9844           |                          |        |        | HR9843 (Lo-16bits)             |
| HR9845           | MEAS2:I"01 Amplitude THD | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9846           |                          |        |        | HR9845 (Lo-16bits)             |
| HR9847           | MEAS2:I"01 Power THD     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9848           |                          |        |        | HR9847 (Lo-16bits)             |
| HR9849           | MEAS2:I"02 Amplitude THD | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9850           |                          |        |        | HR9849 (Lo-16bits)             |
| HR9851           | MEAS2:I"02 Power THD     | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9852           |                          |        |        | HR9851 (Lo-16bits)             |
| HR9853           | MEAS3:UL1 Amplitude THD  | R      | 2      | FLOAT [0...100000] (Hi-16bits) |
| HR9854           |                          |        |        | HR9853 (Lo-16bits)             |
| HR9855           | MEAS3:UL1 Power THD      | R      | 2      | FLOAT [0...100000] (Hi-16bits) |

| Holding Register | Parameter                                                             | Access | Length | Info                                         |
|------------------|-----------------------------------------------------------------------|--------|--------|----------------------------------------------|
| HR9856           |                                                                       |        |        | HR9855 (Lo-16bits)                           |
| HR9857           | MEAS3:UL2 Amplitude THD                                               | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR9858           |                                                                       |        |        | HR9857 (Lo-16bits)                           |
| HR9859           | MEAS3:UL2 Power THD                                                   | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR9860           |                                                                       |        |        | HR9859 (Lo-16bits)                           |
| HR9861           | MEAS3:UL3 Amplitude THD                                               | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR9862           |                                                                       |        |        | HR9861 (Lo-16bits)                           |
| HR9863           | MEAS3:UL3 Power THD                                                   | R      | 2      | FLOAT [0...100000] (Hi-16bits)               |
| HR9864           |                                                                       |        |        | HR9863 (Lo-16bits)                           |
| HR9865           | POW1:Apparent Energy (S) while Export (P) MVAh                        | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR9866           |                                                                       |        |        | HR9865 (Lo-16bits)                           |
| HR9867           | POW1:Apparent Energy (S) while Export (P) kVAh                        | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR9868           |                                                                       |        |        | HR9867 (Lo-16bits)                           |
| HR9869           | POW1:Apparent Energy (S) while Import (P) MVAh                        | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR9870           |                                                                       |        |        | HR9869 (Lo-16bits)                           |
| HR9871           | POW1:Apparent Energy (S) while Import (P) kVAh                        | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR9872           |                                                                       |        |        | HR9871 (Lo-16bits)                           |
| HR9873           | POW1:Apparent Energy (S) Net                                          | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR9874           |                                                                       |        |        | HR9873 (Lo-16bits)                           |
| HR9875           | POW1:Real Energy (P) Net                                              | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR9876           |                                                                       |        |        | HR9875 (Lo-16bits)                           |
| HR9877           | POW1:Reactive Energy (Q) Net                                          | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR9878           |                                                                       |        |        | HR9877 (Lo-16bits)                           |
| HR9879           | POW1:Real Energy (P) Supply (Default supply direction towards busbar) | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits) |
| HR9880           |                                                                       |        |        | HR9879 (Lo-16bits)                           |

| Holding Register | Parameter                                                                    | Access | Length | Info                                            |
|------------------|------------------------------------------------------------------------------|--------|--------|-------------------------------------------------|
| HR9881           | POW1:Reactive Energy (Q) Supply<br>(Default supply direction towards busbar) | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9882           |                                                                              |        |        | HR9881 (Lo-16bits)                              |
| HR9883           | POW1:Real Energy (P) Demand<br>(Default demand direction from busbar)        | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9884           |                                                                              |        |        | HR9883 (Lo-16bits)                              |
| HR9885           | POW1:Reactive Energy (Q)<br>Demand (Default demand direction from busbar)    | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9886           |                                                                              |        |        | HR9885 (Lo-16bits)                              |
| HR9887           | POW2:Apparent Energy (S) while<br>Export (P) MVAh                            | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9888           |                                                                              |        |        | HR9887 (Lo-16bits)                              |
| HR9889           | POW2:Apparent Energy (S) while<br>Export (P) kVAh                            | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9890           |                                                                              |        |        | HR9889 (Lo-16bits)                              |
| HR9891           | POW2:Apparent Energy (S) while<br>Import (P) MVAh                            | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9892           |                                                                              |        |        | HR9891 (Lo-16bits)                              |
| HR9893           | POW2:Apparent Energy (S) while<br>Import (P) kVAh                            | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9894           |                                                                              |        |        | HR9893 (Lo-16bits)                              |
| HR9895           | POW2:Apparent Energy (S) Net                                                 | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9896           |                                                                              |        |        | HR9895 (Lo-16bits)                              |
| HR9897           | POW2:Real Energy (P) Net                                                     | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9898           |                                                                              |        |        | HR9897 (Lo-16bits)                              |
| HR9899           | POW2:Reactive Energy (Q) Net                                                 | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9900           |                                                                              |        |        | HR9899 (Lo-16bits)                              |
| HR9901           | POW2:Real Energy (P) Supply<br>(Default supply direction towards busbar)     | R      | 2      | INT32 [-2147483647...2147483647]<br>(Hi-16bits) |
| HR9902           |                                                                              |        |        | HR9901 (Lo-16bits)                              |



| Holding Register | Parameter                                                                 | Access | Length | Info                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------|--------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR9903           | POW2:Reactive Energy (Q) Supply (Default supply direction towards busbar) | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                                                                                                                             |
| HR9904           |                                                                           |        |        | HR9903 (Lo-16bits)                                                                                                                                                       |
| HR9905           | POW2:Real Energy (P) Demand (Default demand direction from busbar)        | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                                                                                                                             |
| HR9906           |                                                                           |        |        | HR9905 (Lo-16bits)                                                                                                                                                       |
| HR9907           | POW2:Reactive Energy (Q) Demand (Default demand direction from busbar)    | R      | 2      | INT32 [-2147483647...2147483647] (Hi-16bits)                                                                                                                             |
| HR9908           |                                                                           |        |        | HR9907 (Lo-16bits)                                                                                                                                                       |
| HR9909           | GNSIG:Common signals condition                                            | R      | 1      | 0=Normal 1=Start 2=Trip                                                                                                                                                  |
| HR9910           | UCP1:IUC> condition                                                       | R      | 1      | 0=Normal 1=Blocked 2=StartOn(Alarm) 3=StartOn(Alarm&Trip) 4=StartOn(Trip) 5=AlarmOn 6=StartOn(Alarm) TripOn 7=StartOn AlarmOn 8=TripOn 9=AlarmOn TripOn 10=MultistatusOn |
| HR9911           | CRF1:Cd> (87C) condition                                                  | R      | 1      | 0=Normal 1=Trip 2=Blocked                                                                                                                                                |
| HR9912           | FRQV1:f< Undervoltage block (0% no blocking)                              | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)                                                                                                                                              |
| HR9913           |                                                                           |        |        | HR9912 (Lo-16bits)                                                                                                                                                       |
| HR9914           | FRQV1:f< Undervoltage block (0% no blocking)                              | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)                                                                                                                                              |
| HR9915           |                                                                           |        |        | HR9914 (Lo-16bits)                                                                                                                                                       |
| HR9916           | FRQV1:f< Undervoltage block (0% no blocking)                              | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)                                                                                                                                              |
| HR9917           |                                                                           |        |        | HR9916 (Lo-16bits)                                                                                                                                                       |
| HR9918           | FRQV1:f< Undervoltage block (0% no blocking)                              | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)                                                                                                                                              |
| HR9919           |                                                                           |        |        | HR9918 (Lo-16bits)                                                                                                                                                       |
| HR9920           | FRQV1:f< Undervoltage block (0% no blocking)                              | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)                                                                                                                                              |
| HR9921           |                                                                           |        |        | HR9920 (Lo-16bits)                                                                                                                                                       |
| HR9922           | FRQV1:f< Undervoltage block (0% no blocking)                              | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)                                                                                                                                              |
| HR9923           |                                                                           |        |        | HR9922 (Lo-16bits)                                                                                                                                                       |
| HR9924           | FRQV1:f< Undervoltage block (0% no blocking)                              | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)                                                                                                                                              |

| Holding Register | Parameter                                      | Access | Length | Info                        |
|------------------|------------------------------------------------|--------|--------|-----------------------------|
| HR9925           |                                                |        |        | HR9924 (Lo-16bits)          |
| HR9926           | FRQV1:f< Undervoltage block (0% no blocking)   | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9927           |                                                |        |        | HR9926 (Lo-16bits)          |
| HR9928           | FRQV1:f<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9929           |                                                |        |        | HR9928 (Lo-16bits)          |
| HR9930           | FRQV1:f<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9931           |                                                |        |        | HR9930 (Lo-16bits)          |
| HR9932           | FRQV1:f<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9933           |                                                |        |        | HR9932 (Lo-16bits)          |
| HR9934           | FRQV1:f<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9935           |                                                |        |        | HR9934 (Lo-16bits)          |
| HR9936           | FRQV1:f<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9937           |                                                |        |        | HR9936 (Lo-16bits)          |
| HR9938           | FRQV1:f<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9939           |                                                |        |        | HR9938 (Lo-16bits)          |
| HR9940           | FRQV1:f<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9941           |                                                |        |        | HR9940 (Lo-16bits)          |
| HR9942           | FRQV1:f<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9943           |                                                |        |        | HR9942 (Lo-16bits)          |
| HR9944           | FRQV1:f<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9945           |                                                |        |        | HR9944 (Lo-16bits)          |
| HR9946           | FRQV1:f<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9947           |                                                |        |        | HR9946 (Lo-16bits)          |
| HR9948           | FRQV1:f<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |

| Holding Register | Parameter                                       | Access | Length | Info                        |
|------------------|-------------------------------------------------|--------|--------|-----------------------------|
| HR9949           |                                                 |        |        | HR9948 (Lo-16bits)          |
| HR9950           | FRQV1:f<<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9951           |                                                 |        |        | HR9950 (Lo-16bits)          |
| HR9952           | FRQV1:f<<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9953           |                                                 |        |        | HR9952 (Lo-16bits)          |
| HR9954           | FRQV1:f<<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9955           |                                                 |        |        | HR9954 (Lo-16bits)          |
| HR9956           | FRQV1:f<<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9957           |                                                 |        |        | HR9956 (Lo-16bits)          |
| HR9958           | FRQV1:f<<< Undervoltage block (0% no blocking)  | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9959           |                                                 |        |        | HR9958 (Lo-16bits)          |
| HR9960           | FRQV1:f<<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9961           |                                                 |        |        | HR9960 (Lo-16bits)          |
| HR9962           | FRQV1:f<<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9963           |                                                 |        |        | HR9962 (Lo-16bits)          |
| HR9964           | FRQV1:f<<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9965           |                                                 |        |        | HR9964 (Lo-16bits)          |
| HR9966           | FRQV1:f<<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9967           |                                                 |        |        | HR9966 (Lo-16bits)          |
| HR9968           | FRQV1:f<<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9969           |                                                 |        |        | HR9968 (Lo-16bits)          |
| HR9970           | FRQV1:f<<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |
| HR9971           |                                                 |        |        | HR9970 (Lo-16bits)          |
| HR9972           | FRQV1:f<<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits) |

| Holding Register | Parameter                                       | Access | Length | Info                                                  |
|------------------|-------------------------------------------------|--------|--------|-------------------------------------------------------|
| HR9973           |                                                 |        |        | HR9972 (Lo-16bits)                                    |
| HR9974           | FRQV1:f<<<< Undervoltage block (0% no blocking) | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)                           |
| HR9975           |                                                 |        |        | HR9974 (Lo-16bits)                                    |
| HR9976           | RHC1:Start count                                | R(W)   | 2      | UINT32 [0...4294967295] (Hi-16bits)                   |
| HR9977           |                                                 |        |        | HR9976 (Lo-16bits)                                    |
| HR9978           | RTDIN:S1 Sensor                                 | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9979           | RTDIN:S2 Sensor                                 | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9980           | RTDIN:S3 Sensor                                 | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9981           | RTDIN:S4 Sensor                                 | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9982           | RTDIN:S5 Sensor                                 | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9983           | RTDIN:S6 Sensor                                 | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9984           | RTDIN:S7 Sensor                                 | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9985           | RTDIN:S8 Sensor                                 | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9986           | RTDIN:S9 Sensor                                 | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9987           | RTDIN:S10 Sensor                                | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9988           | RTDIN:S11 Sensor                                | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9989           | RTDIN:S12 Sensor                                | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9990           | RTDIN:S13 Sensor                                | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9991           | RTDIN:S14 Sensor                                | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9992           | RTDIN:S15 Sensor                                | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9993           | RTDIN:S16 Sensor                                | R      | 1      | 0=Invalid Open Circuit 1=OK 2=Invalid Shorted Circuit |
| HR9994           | OOS1:Pole slip condition                        | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                     |

| Holding Register | Parameter                               | Access | Length | Info                                              |
|------------------|-----------------------------------------|--------|--------|---------------------------------------------------|
| HR9995           | OOS1:Configuration status               | R      | 1      | 0=Ok 1=Incorrect VT set 2=Incorrect char. Set     |
| HR9996           | OOS1:PoleSlip detection START           | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)           |
| HR9997           |                                         |        |        | HR9996 (Lo-16bits)                                |
| HR9998           | OOS1:PoleSlip TRIP                      | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)           |
| HR9999           |                                         |        |        | HR9998 (Lo-16bits)                                |
| HR10000          | OOS1:PoleSlip detection BLOCKED         | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)           |
| HR10001          |                                         |        |        | HR10000 (Lo-16bits)                               |
| HR10002          | GSYN:Enable on-screen synchronizer view | R(W)   | 1      | 0=Disabled 1=Activated                            |
| HR10003          | GSYN:Synchronizing by                   | R(W)   | 1      | 0=Autosynchronizer 1=Manual commands              |
| HR10004          | GSYN:Manual switching mode              | R(W)   | 1      | 0=Assisted synchroswitch 1=I know what I am doing |
| HR10005          | GSYN:Magnitude side A                   | R      | 2      | FLOAT [0...200] (Hi-16bits)                       |
| HR10006          |                                         |        |        | HR10005 (Lo-16bits)                               |
| HR10007          | GSYN:Magnitude side B                   | R      | 2      | FLOAT [0...200] (Hi-16bits)                       |
| HR10008          |                                         |        |        | HR10007 (Lo-16bits)                               |
| HR10009          | GSYN:Frequency side A                   | R      | 2      | FLOAT [0...75] (Hi-16bits)                        |
| HR10010          |                                         |        |        | HR10009 (Lo-16bits)                               |
| HR10011          | GSYN:Frequency side B                   | R      | 2      | FLOAT [0...75] (Hi-16bits)                        |
| HR10012          |                                         |        |        | HR10011 (Lo-16bits)                               |
| HR10013          | GSYN:Open synchronizer HMI              | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR10014          |                                         |        |        | HR10013 (Lo-16bits)                               |
| HR10015          | GSYN:Manual increase voltage            | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR10016          |                                         |        |        | HR10015 (Lo-16bits)                               |
| HR10017          | GSYN:Manual decrease voltage            | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR10018          |                                         |        |        | HR10017 (Lo-16bits)                               |
| HR10019          | GSYN:Manual increase frequency          | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |
| HR10020          |                                         |        |        | HR10019 (Lo-16bits)                               |
| HR10021          | GSYN:Manual decrease frequency          | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)            |

| Holding Register | Parameter                             | Access | Length | Info                                                                                                                                                                                                  |
|------------------|---------------------------------------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR10022          |                                       |        |        | HR10021 (Lo-16bits)                                                                                                                                                                                   |
| HR10023          | GSYN:Manual Close Breaker             | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits)                                                                                                                                                                |
| HR10024          |                                       |        |        | HR10023 (Lo-16bits)                                                                                                                                                                                   |
| HR10025          | FREQS:SS1.meas.frqs                   | R      | 2      | FLOAT [0...75] (Hi-16bits)                                                                                                                                                                            |
| HR10026          |                                       |        |        | HR10025 (Lo-16bits)                                                                                                                                                                                   |
| HR10027          | FREQS:SS2.meas.frqs                   | R      | 2      | FLOAT [0...75] (Hi-16bits)                                                                                                                                                                            |
| HR10028          |                                       |        |        | HR10027 (Lo-16bits)                                                                                                                                                                                   |
| HR10029          | HSOC:HSO card inputs                  | R      | 2      | 0b=HSO1 TCS In 1b=HSO2 TCS In<br>2b=HSO3 TCS In 3b=HSO4 TCS In<br>4b=HSO5 TCS In 5b=HSO6 TCS In<br>6b=HSO7 TCS In 7b=HSO8 TCS In<br>8b=HSO9 TCS In (Hi-16bits)                                        |
| HR10030          |                                       |        |        | HR10029 (Lo-16bits)                                                                                                                                                                                   |
| HR10031          | SGS2:SGS2 Active setting group        | R      | 1      | 0=SG1 1=SG2 2=SG3 3=SG4 4=SG5<br>5=SG6 6=SG7 7=SG8                                                                                                                                                    |
| HR10032          | SGS2:SGS2 Force setting group         | R(W)   | 1      | 0=none 1=SG1 2=SG2 3=SG3 4=SG4<br>5=SG5 6=SG6 7=SG7 8=SG8                                                                                                                                             |
| HR10033          | SGS2:SGS2 Force setting group change  | R(W)   | 1      | 0=Disabled 1=Enabled                                                                                                                                                                                  |
| HR10034          | SGS2:SGS2 Used setting groups         | R(W)   | 1      | 0=SG1 1=SG1...2 2=SG1...3 3=SG1...4<br>4=SG1...5 5=SG1...6 6=SG1...7<br>7=SG1...8                                                                                                                     |
| HR10035          | SGS2:SGS2 Remote setting group change | R(W)   | 1      | 0=none 1=SG1 2=SG2 3=SG3 4=SG4<br>5=SG5 6=SG6 7=SG7 8=SG8                                                                                                                                             |
| HR10036          | LOGIC:Logical Input 30                | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)                                                                                                                                                            |
| HR10037          |                                       |        |        | HR10036 (Lo-16bits)                                                                                                                                                                                   |
| HR10038          | LOGIC:Logical Input 31                | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)                                                                                                                                                            |
| HR10039          |                                       |        |        | HR10038 (Lo-16bits)                                                                                                                                                                                   |
| HR10040          | LOGIC:Logical Input 32                | R      | 2      | SIGNAL_OUT [0...4294967295]<br>(Hi-16bits)                                                                                                                                                            |
| HR10041          |                                       |        |        | HR10040 (Lo-16bits)                                                                                                                                                                                   |
| HR10042          | LDIF1:IdL> condition                  | R      | 2      | 0b=Idb> Trip 1b=Idb> Blocked 2b=Idi> Trip<br>3b=Idi> Blocked 4b=2nd Harm block on<br>5b=5th harm block on 6b=L1 2h On 7b=L2<br>2h On 8b=L3 2h On 9b=L1 5h On 10b=L2<br>5h On 11b=L3 5h On (Hi-16bits) |
| HR10043          |                                       |        |        | HR10042 (Lo-16bits)                                                                                                                                                                                   |

| Holding Register | Parameter               | Access | Length | Info                                                               |
|------------------|-------------------------|--------|--------|--------------------------------------------------------------------|
| HR10044          | TOLT1:TT> setting alarm | R      | 1      | 0=SF setting ok 1=Service factor set fault.Override to1.0          |
| HR10045          | TOLT1:TT> setting alarm | R      | 1      | 0=Ambient t setting ok 1=Ambient t set fault.Override to1.0        |
| HR10046          | TOLT1:TT> setting alarm | R      | 1      | 0=Nominalcurrent calc ok 1=Nominalcurrent set fault.OVERRIDE to1.0 |
| HR10047          | TOLT1:TT> setting alarm | R      | 1      | 0=Ambient setting ok 1=Inconsistent setting of ambient k           |
| HR10048          | TOLF1:TF> setting alarm | R      | 1      | 0=SF setting ok 1=Service factor set fault.Override to1.0          |
| HR10049          | TOLF1:TF> setting alarm | R      | 1      | 0=Ambient t setting ok 1=Ambient t set fault.Override to1.0        |
| HR10050          | TOLF1:TF> setting alarm | R      | 1      | 0=Nominalcurrent calc ok 1=Nominalcurrent set fault.OVERRIDE to1.0 |
| HR10051          | TOLF1:TF> setting alarm | R      | 1      | 0=Ambient setting ok 1=Inconsistent setting of ambient k           |
| HR10052          | TOLM1:TM>Setting alarm  | R      | 1      | 0=SF setting ok 1=Service factor set fault.Override to1.0          |
| HR10053          | TOLM1:TM>Setting alarm  | R      | 1      | 0=Ambient t setting ok 1=Ambient t set fault.Override to1.0        |
| HR10054          | TOLM1:TM>Setting alarm  | R      | 1      | 0=Nominalcurrent calc ok 1=Nominalcurrent set fault.OVERRIDE to1.0 |
| HR10055          | TOLM1:TM>Setting alarm  | R      | 1      | 0=Ambient setting ok 1=Inconsistent setting of ambient k           |
| HR10056          | URX1:X< condition       | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                  |
| HR10057          | URX2:X<< condition      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                  |
| HR10058          | SYN1:SYN1 Mag diff      | R      | 2      | FLOAT [-120...120] (Hi-16bits)                                     |
| HR10059          |                         |        |        | HR10058 (Lo-16bits)                                                |
| HR10060          | SYN1:SYN1 Ang diff      | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                     |
| HR10061          |                         |        |        | HR10060 (Lo-16bits)                                                |
| HR10062          | SYN1:SYN1 freq diff     | R      | 2      | FLOAT [-75...75] (Hi-16bits)                                       |
| HR10063          |                         |        |        | HR10062 (Lo-16bits)                                                |
| HR10064          | COL1:ICOL> [49OL] mode  | R(W)   | 1      | 0=Disabled 1=Activated                                             |
| HR10065          | COL2:ICOL>> [49OL] mode | R(W)   | 1      | 0=Disabled 1=Activated                                             |
| HR10066          | CNU1:CNU> [50UB] mode   | R(W)   | 1      | 0=Disabled 1=Activated                                             |
| HR10067          | UCP1:IUC> [46C] mode    | R(W)   | 1      | 0=Disabled 1=Activated                                             |

| Holding Register | Parameter                                              | Access | Length | Info                                                                             |
|------------------|--------------------------------------------------------|--------|--------|----------------------------------------------------------------------------------|
| HR10068          | CRF1: Cd > (87C) mode                                  | R(W)   | 1      | 0=Disabled 1=Activated                                                           |
| HR10069          | NOCS1: IPW > [50/51] mode                              | R(W)   | 1      | 0=Disabled 1=Activated                                                           |
| HR10070          | NOCS2: IPW >> mode                                     | R(W)   | 1      | 0=Disabled 1=Activated                                                           |
| HR10071          | EFX1: IOx > [67NX] mode                                | R(W)   | 1      | 0=Disabled 1=Activated                                                           |
| HR10072          | EFX1: Used U0 > reference                              | R      | 1      | 0=VT meas.mode error 1=U3 Input 2=U4 Input                                       |
| HR10073          | EFX1: IOx > condition                                  | R      | 1      | 0=Normal 1=Start forward 2=Trip forward 3=Blocked 4=Start reverse 5=Trip reverse |
| HR10074          | EFX1: IOx > Last fault active residual power           | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                                  |
| HR10075          |                                                        |        |        | HR10074 (Lo-16bits)                                                              |
| HR10076          | EFX1: IOx > Last fault apparent residual power         | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                                  |
| HR10077          |                                                        |        |        | HR10076 (Lo-16bits)                                                              |
| HR10078          | EFX1: IOx > Last fault apparent/ active residual power | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                                  |
| HR10079          |                                                        |        |        | HR10078 (Lo-16bits)                                                              |
| HR10080          | EFX1: IOx > Last fault residual current                | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                                  |
| HR10081          |                                                        |        |        | HR10080 (Lo-16bits)                                                              |
| HR10082          | EFX1: IOx > Last fault zero sequence voltage           | R      | 2      | FLOAT [0...1000000] (Hi-16bits)                                                  |
| HR10083          |                                                        |        |        | HR10082 (Lo-16bits)                                                              |
| HR10084          | EFX1: Sw (active residual power pickup FWD)            | R(W)   | 2      | FLOAT [20...120] (Hi-16bits)                                                     |
| HR10085          |                                                        |        |        | HR10084 (Lo-16bits)                                                              |
| HR10086          | EFX1: Sw (active residual power pickup FWD)            | R(W)   | 2      | FLOAT [20...120] (Hi-16bits)                                                     |
| HR10087          |                                                        |        |        | HR10086 (Lo-16bits)                                                              |
| HR10088          | EFX1: Sw (active residual power pickup FWD)            | R(W)   | 2      | FLOAT [20...120] (Hi-16bits)                                                     |
| HR10089          |                                                        |        |        | HR10088 (Lo-16bits)                                                              |
| HR10090          | EFX1: Sw (active residual power pickup FWD)            | R(W)   | 2      | FLOAT [20...120] (Hi-16bits)                                                     |
| HR10091          |                                                        |        |        | HR10090 (Lo-16bits)                                                              |



| Holding Register | Parameter                                   | Access | Length | Info                         |
|------------------|---------------------------------------------|--------|--------|------------------------------|
| HR10092          | EFX1:Sw (active residual power pickup FWD)  | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10093          |                                             |        |        | HR10092 (Lo-16bits)          |
| HR10094          | EFX1:Sw (active residual power pickup FWD)  | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10095          |                                             |        |        | HR10094 (Lo-16bits)          |
| HR10096          | EFX1:Sw (active residual power pickup FWD)  | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10097          |                                             |        |        | HR10096 (Lo-16bits)          |
| HR10098          | EFX1:Sw (active residual power pickup FWD)  | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10099          |                                             |        |        | HR10098 (Lo-16bits)          |
| HR10100          | EFX1:@Sw (active residual power pickup REV) | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10101          |                                             |        |        | HR10100 (Lo-16bits)          |
| HR10102          | EFX1:@Sw (active residual power pickup REV) | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10103          |                                             |        |        | HR10102 (Lo-16bits)          |
| HR10104          | EFX1:@Sw (active residual power pickup REV) | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10105          |                                             |        |        | HR10104 (Lo-16bits)          |
| HR10106          | EFX1:@Sw (active residual power pickup REV) | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10107          |                                             |        |        | HR10106 (Lo-16bits)          |
| HR10108          | EFX1:@Sw (active residual power pickup REV) | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10109          |                                             |        |        | HR10108 (Lo-16bits)          |
| HR10110          | EFX1:@Sw (active residual power pickup REV) | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10111          |                                             |        |        | HR10110 (Lo-16bits)          |
| HR10112          | EFX1:@Sw (active residual power pickup REV) | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10113          |                                             |        |        | HR10112 (Lo-16bits)          |
| HR10114          | EFX1:@Sw (active residual power pickup REV) | R(W)   | 2      | FLOAT [20...120] (Hi-16bits) |
| HR10115          |                                             |        |        | HR10114 (Lo-16bits)          |

| Holding Register | Parameter               | Access | Length | Info                            |
|------------------|-------------------------|--------|--------|---------------------------------|
| HR10116          | EFX1:Sw/@Sw hysteresis  | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10117          |                         |        |        | HR10116 (Lo-16bits)             |
| HR10118          | EFX1:Sw/@Sw hysteresis  | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10119          |                         |        |        | HR10118 (Lo-16bits)             |
| HR10120          | EFX1:Sw/@Sw hysteresis  | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10121          |                         |        |        | HR10120 (Lo-16bits)             |
| HR10122          | EFX1:Sw/@Sw hysteresis  | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10123          |                         |        |        | HR10122 (Lo-16bits)             |
| HR10124          | EFX1:Sw/@Sw hysteresis  | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10125          |                         |        |        | HR10124 (Lo-16bits)             |
| HR10126          | EFX1:Sw/@Sw hysteresis  | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10127          |                         |        |        | HR10126 (Lo-16bits)             |
| HR10128          | EFX1:Sw/@Sw hysteresis  | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10129          |                         |        |        | HR10128 (Lo-16bits)             |
| HR10130          | EFX1:Sw/@Sw hysteresis  | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10131          |                         |        |        | HR10130 (Lo-16bits)             |
| HR10132          | EFX1:S/P (angle pickup) | R(W)   | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR10133          |                         |        |        | HR10132 (Lo-16bits)             |
| HR10134          | EFX1:S/P (angle pickup) | R(W)   | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR10135          |                         |        |        | HR10134 (Lo-16bits)             |
| HR10136          | EFX1:S/P (angle pickup) | R(W)   | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR10137          |                         |        |        | HR10136 (Lo-16bits)             |
| HR10138          | EFX1:S/P (angle pickup) | R(W)   | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR10139          |                         |        |        | HR10138 (Lo-16bits)             |
| HR10140          | EFX1:S/P (angle pickup) | R(W)   | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR10141          |                         |        |        | HR10140 (Lo-16bits)             |
| HR10142          | EFX1:S/P (angle pickup) | R(W)   | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR10143          |                         |        |        | HR10142 (Lo-16bits)             |
| HR10144          | EFX1:S/P (angle pickup) | R(W)   | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR10145          |                         |        |        | HR10144 (Lo-16bits)             |

| Holding Register | Parameter                  | Access | Length | Info                            |
|------------------|----------------------------|--------|--------|---------------------------------|
| HR10146          | EFX1:S/P (angle pickup)    | R(W)   | 2      | FLOAT [0...20] (Hi-16bits)      |
| HR10147          |                            |        |        | HR10146 (Lo-16bits)             |
| HR10148          | EFX1:S/P (angle threshold) | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10149          |                            |        |        | HR10148 (Lo-16bits)             |
| HR10150          | EFX1:S/P (angle threshold) | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10151          |                            |        |        | HR10150 (Lo-16bits)             |
| HR10152          | EFX1:S/P (angle threshold) | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10153          |                            |        |        | HR10152 (Lo-16bits)             |
| HR10154          | EFX1:S/P (angle threshold) | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10155          |                            |        |        | HR10154 (Lo-16bits)             |
| HR10156          | EFX1:S/P (angle threshold) | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10157          |                            |        |        | HR10156 (Lo-16bits)             |
| HR10158          | EFX1:S/P (angle threshold) | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10159          |                            |        |        | HR10158 (Lo-16bits)             |
| HR10160          | EFX1:S/P (angle threshold) | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10161          |                            |        |        | HR10160 (Lo-16bits)             |
| HR10162          | EFX1:S/P (angle threshold) | R(W)   | 2      | FLOAT [0.85...0.95] (Hi-16bits) |
| HR10163          |                            |        |        | HR10162 (Lo-16bits)             |
| HR10164          | EFX1:Operating time        | R(W)   | 2      | FLOAT [0.02...5] (Hi-16bits)    |
| HR10165          |                            |        |        | HR10164 (Lo-16bits)             |
| HR10166          | EFX1:Operating time        | R(W)   | 2      | FLOAT [0.02...5] (Hi-16bits)    |
| HR10167          |                            |        |        | HR10166 (Lo-16bits)             |
| HR10168          | EFX1:Operating time        | R(W)   | 2      | FLOAT [0.02...5] (Hi-16bits)    |
| HR10169          |                            |        |        | HR10168 (Lo-16bits)             |
| HR10170          | EFX1:Operating time        | R(W)   | 2      | FLOAT [0.02...5] (Hi-16bits)    |
| HR10171          |                            |        |        | HR10170 (Lo-16bits)             |
| HR10172          | EFX1:Operating time        | R(W)   | 2      | FLOAT [0.02...5] (Hi-16bits)    |
| HR10173          |                            |        |        | HR10172 (Lo-16bits)             |
| HR10174          | EFX1:Operating time        | R(W)   | 2      | FLOAT [0.02...5] (Hi-16bits)    |
| HR10175          |                            |        |        | HR10174 (Lo-16bits)             |

| Holding Register | Parameter                        | Access | Length | Info                         |
|------------------|----------------------------------|--------|--------|------------------------------|
| HR10176          | EFX1:Operating time              | R(W)   | 2      | FLOAT [0.02...5] (Hi-16bits) |
| HR10177          |                                  |        |        | HR10176 (Lo-16bits)          |
| HR10178          | EFX1:Operating time              | R(W)   | 2      | FLOAT [0.02...5] (Hi-16bits) |
| HR10179          |                                  |        |        | HR10178 (Lo-16bits)          |
| HR10180          | EFX1:Release delay               | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)    |
| HR10181          |                                  |        |        | HR10180 (Lo-16bits)          |
| HR10182          | EFX1:Release delay               | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)    |
| HR10183          |                                  |        |        | HR10182 (Lo-16bits)          |
| HR10184          | EFX1:Release delay               | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)    |
| HR10185          |                                  |        |        | HR10184 (Lo-16bits)          |
| HR10186          | EFX1:Release delay               | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)    |
| HR10187          |                                  |        |        | HR10186 (Lo-16bits)          |
| HR10188          | EFX1:Release delay               | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)    |
| HR10189          |                                  |        |        | HR10188 (Lo-16bits)          |
| HR10190          | EFX1:Release delay               | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)    |
| HR10191          |                                  |        |        | HR10190 (Lo-16bits)          |
| HR10192          | EFX1:Release delay               | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)    |
| HR10193          |                                  |        |        | HR10192 (Lo-16bits)          |
| HR10194          | EFX1:Release delay               | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)    |
| HR10195          |                                  |        |        | HR10194 (Lo-16bits)          |
| HR10196          | IEF1:I0Int> [67NT] mode          | R(W)   | 1      | 0=Disabled 1=Activated       |
| HR10197          | HOC1:Ih> [50H/51H/68H] mode      | R(W)   | 1      | 0=Disabled 1=Activated       |
| HR10198          | HOC2:Ih>> [50H/51H/68H] mode     | R(W)   | 1      | 0=Disabled 1=Activated       |
| HR10199          | HOC3:Ih>>> [50H/51H/68H] mode    | R(W)   | 1      | 0=Disabled 1=Activated       |
| HR10200          | HOC4:Ih>>>> [50H/51H/68H] mode   | R(W)   | 1      | 0=Disabled 1=Activated       |
| HR10201          | CLP1:CLP mode                    | R(W)   | 1      | 0=Disabled 1=Activated       |
| HR10202          | CBF1:CBFP [50BF] mode            | R(W)   | 1      | 0=Disabled 1=Activated       |
| HR10203          | DIF1:Idx> [87T/87G/87M/87N] mode | R(W)   | 1      | 0=Disabled 1=Activated       |
| HR10204          | LDIF1:IdL> mode                  | R(W)   | 1      | 0=Disabled 1=Activated       |

| Holding Register | Parameter                              | Access | Length | Info                                               |
|------------------|----------------------------------------|--------|--------|----------------------------------------------------|
| HR10205          | REF1:I0d> [87N] mode                   | R(W)   | 1      | 0=Disabled 1=Activated                             |
| HR10206          | TOLT1:TT> [49T] mode                   | R(W)   | 1      | 0=Disabled 1=Activated                             |
| HR10207          | TOLF1:TF> [49F] mode                   | R(W)   | 1      | 0=Disabled 1=Activated                             |
| HR10208          | TOLF1:IN thermal cap current           | R(W)   | 2      | FLOAT [0...40] (Hi-16bits)                         |
| HR10209          |                                        |        |        | HR10208 (Lo-16bits)                                |
| HR10210          | TOLF1:Obj.Max.temp (tmax=100%)         | R(W)   | 2      | FLOAT [0...500] (Hi-16bits)                        |
| HR10211          |                                        |        |        | HR10210 (Lo-16bits)                                |
| HR10212          | TOLF1:Man.Amb.Temp.Set                 | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits)                      |
| HR10213          |                                        |        |        | HR10212 (Lo-16bits)                                |
| HR10214          | TOLF1:RTD Module                       | R(W)   | 1      | 0=ModuleA 1=ModuleB 2=ModuleC                      |
| HR10215          | TOLF1:RTD Channel                      | R(W)   | 1      | 0=Ch0 1=Ch1 2=Ch2 3=Ch3 4=Ch4<br>5=Ch5 6=Ch6 7=Ch7 |
| HR10216          | TOLF1:RTD Deg C / Deg F                | R(W)   | 1      | 0=Deg C 1=Deg F                                    |
| HR10217          | TOLF1:RTD Amb.Temp.Read                | R(W)   | 2      | FLOAT [-101...2000] (Hi-16bits)                    |
| HR10218          |                                        |        |        | HR10217 (Lo-16bits)                                |
| HR10219          | TOLF1:tau (t const)                    | R(W)   | 2      | FLOAT [0...500] (Hi-16bits)                        |
| HR10220          |                                        |        |        | HR10219 (Lo-16bits)                                |
| HR10221          | TOLF1:Max.Perm.OC.Current(norm Ik1s)   | R(W)   | 2      | FLOAT [1...9999999] (Hi-16bits)                    |
| HR10222          |                                        |        |        | HR10221 (Lo-16bits)                                |
| HR10223          | TOLF1:Max.OC.Time (norm 1s)            | R(W)   | 2      | FLOAT [0.1...5] (Hi-16bits)                        |
| HR10224          |                                        |        |        | HR10223 (Lo-16bits)                                |
| HR10225          | TOLF1:Nominal current                  | R(W)   | 2      | FLOAT [1...9999999] (Hi-16bits)                    |
| HR10226          |                                        |        |        | HR10225 (Lo-16bits)                                |
| HR10227          | TOLF1:kSF (service factor)             | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)                       |
| HR10228          |                                        |        |        | HR10227 (Lo-16bits)                                |
| HR10229          | TOLF1:Cold Reset default theta         | R(W)   | 2      | FLOAT [0...150] (Hi-16bits)                        |
| HR10230          |                                        |        |        | HR10229 (Lo-16bits)                                |
| HR10231          | TOLF1:Ambient lin or curve             | R(W)   | 1      | 0=Linear est. 1=Set Curve                          |
| HR10232          | TOLF1:Temp. reference (tref) kamb=1.00 | R(W)   | 2      | FLOAT [0...500] (Hi-16bits)                        |

| Holding Register | Parameter                | Access | Length | Info                          |
|------------------|--------------------------|--------|--------|-------------------------------|
| HR10233          |                          |        |        | HR10232 (Lo-16bits)           |
| HR10234          | TOLF1:Max.ambient temp   | R(W)   | 2      | FLOAT [0...500] (Hi-16bits)   |
| HR10235          |                          |        |        | HR10234 (Lo-16bits)           |
| HR10236          | TOLF1:k at max.amb.temp. | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10237          |                          |        |        | HR10236 (Lo-16bits)           |
| HR10238          | TOLF1:Min.ambient temp   | R(W)   | 2      | FLOAT [0...500] (Hi-16bits)   |
| HR10239          |                          |        |        | HR10238 (Lo-16bits)           |
| HR10240          | TOLF1:k at min.amb.temp. | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10241          |                          |        |        | HR10240 (Lo-16bits)           |
| HR10242          | TOLF1:Amb.Temp.ref1      | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits) |
| HR10243          |                          |        |        | HR10242 (Lo-16bits)           |
| HR10244          | TOLF1:Amb.Temp.k1        | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10245          |                          |        |        | HR10244 (Lo-16bits)           |
| HR10246          | TOLF1:Amb.Temp.ref2      | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits) |
| HR10247          |                          |        |        | HR10246 (Lo-16bits)           |
| HR10248          | TOLF1:Amb.Temp.k2        | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10249          |                          |        |        | HR10248 (Lo-16bits)           |
| HR10250          | TOLF1:Add curvepoint 3   | R(W)   | 1      | 0=Not used 1=Used             |
| HR10251          | TOLF1:Amb.Temp.ref3      | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits) |
| HR10252          |                          |        |        | HR10251 (Lo-16bits)           |
| HR10253          | TOLF1:Amb.Temp.k3        | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10254          |                          |        |        | HR10253 (Lo-16bits)           |
| HR10255          | TOLF1:Add curvepoint 4   | R(W)   | 1      | 0=Not used 1=Used             |
| HR10256          | TOLF1:Amb.Temp.ref4      | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits) |
| HR10257          |                          |        |        | HR10256 (Lo-16bits)           |
| HR10258          | TOLF1:Amb.Temp.k4        | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10259          |                          |        |        | HR10258 (Lo-16bits)           |
| HR10260          | TOLF1:Add curvepoint 5   | R(W)   | 1      | 0=Not used 1=Used             |
| HR10261          | TOLF1:Amb.Temp.ref5      | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits) |
| HR10262          |                          |        |        | HR10261 (Lo-16bits)           |

| Holding Register | Parameter                   | Access | Length | Info                          |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR10263          | TOLF1:Amb.Temp.k5           | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10264          |                             |        |        | HR10263 (Lo-16bits)           |
| HR10265          | TOLF1:Add curvepoint 6      | R(W)   | 1      | 0=Not used 1=Used             |
| HR10266          | TOLF1:Amb.Temp.ref6         | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits) |
| HR10267          |                             |        |        | HR10266 (Lo-16bits)           |
| HR10268          | TOLF1:Amb.Temp.k6           | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10269          |                             |        |        | HR10268 (Lo-16bits)           |
| HR10270          | TOLF1:Add curvepoint 7      | R(W)   | 1      | 0=Not used 1=Used             |
| HR10271          | TOLF1:Amb.Temp.ref7         | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits) |
| HR10272          |                             |        |        | HR10271 (Lo-16bits)           |
| HR10273          | TOLF1:Amb.Temp.k7           | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10274          |                             |        |        | HR10273 (Lo-16bits)           |
| HR10275          | TOLF1:Add curvepoint 8      | R(W)   | 1      | 0=Not used 1=Used             |
| HR10276          | TOLF1:Amb.Temp.ref8         | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits) |
| HR10277          |                             |        |        | HR10276 (Lo-16bits)           |
| HR10278          | TOLF1:Amb.Temp.k8           | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10279          |                             |        |        | HR10278 (Lo-16bits)           |
| HR10280          | TOLF1:Add curvepoint 9      | R(W)   | 1      | 0=Not used 1=Used             |
| HR10281          | TOLF1:Amb.Temp.ref9         | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits) |
| HR10282          |                             |        |        | HR10281 (Lo-16bits)           |
| HR10283          | TOLF1:Amb.Temp.k9           | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10284          |                             |        |        | HR10283 (Lo-16bits)           |
| HR10285          | TOLF1:Add curvepoint 10     | R(W)   | 1      | 0=Not used 1=Used             |
| HR10286          | TOLF1:Amb.Temp.ref10        | R(W)   | 2      | FLOAT [-60...500] (Hi-16bits) |
| HR10287          |                             |        |        | HR10286 (Lo-16bits)           |
| HR10288          | TOLF1:Amb.Temp.k10          | R(W)   | 2      | FLOAT [0.01...5] (Hi-16bits)  |
| HR10289          |                             |        |        | HR10288 (Lo-16bits)           |
| HR10290          | TOLM1:TM> [49M] mode        | R(W)   | 1      | 0=Disabled 1=Activated        |
| HR10291          | TOLM1:Curve AI              | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10292          | LCR1:ISr> [48/14/50LR] mode | R(W)   | 1      | 0=Disabled 1=Activated        |

| Holding Register | Parameter                       | Access | Length | Info                   |
|------------------|---------------------------------|--------|--------|------------------------|
| HR10293          | FSP1:N> [66/86] mode            | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10294          | NUC1:I< [37] mode               | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10295          | MJP1:Im> [50M/51M] mode         | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10296          | NOV1:U0> [59N] mode             | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10297          | NOV2:U0>> [59N] mode            | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10298          | NOV3:U0>>> [59N] mode           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10299          | NOV4:U0>>>> [59N] mode          | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10300          | PGS1:PSx >/< [99] mode          | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10301          | FRQC1:f</> [Curr] mode          | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10302          | DFT1:df/dt >/< [81] mode        | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10303          | RHC1:Running Hour Counter mode  | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10304          | PWR1:PQS>/< [32] mode           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10305          | PWR2:PQS>>/<< [32] mode         | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10306          | PWR3:PQS>>>/<<< [32] mode       | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10307          | PWR4:PQS>>>>/<<<< [32] mode     | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10308          | OPW1:P> [32] mode (OBSOLETE)    | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10309          | UPW1:P< [37] mode (OBSOLETE)    | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10310          | RPW1:Prev> [32] mode (OBSOLETE) | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10311          | SEF1:U03rd< [64S] mode          | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10312          | UEX1:Q< [40] mode               | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10313          | UIM1:Z< [21U] mode              | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10314          | UIM2:Z<< [21U] mode             | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10315          | URX1:X< [40] mode               | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10316          | URX2:X<< [40] mode              | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10317          | VOC1:Iv> [51V] mode             | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10318          | IAE1:I>U< I.A.E. [50/27] mode   | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10319          | VHZ1:V/Hz > [24] mode           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10320          | UPF1:PF< [55] mode              | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10321          | RTD1:RTD mode                   | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10322          | OOS1:Pole slip [78] mode        | R(W)   | 1      | 0=Disabled 1=Activated |



| Holding Register | Parameter                                                        | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------|------------------------------------------------------------------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR10323          | ARC1:I/O Arc> [50ARC/50NARC] mode                                | R(W)   | 1      | 0=Disabled 1=Activated                                                                                                                                                                                                                                                                                                                                                                                            |
| HR10324          | ARC1:I/O Arc> Self supervision test pulse on option card 1       | R(W)   | 1      | 0=Disabled 1=On                                                                                                                                                                                                                                                                                                                                                                                                   |
| HR10325          | ARC1:I/O Arc> Number of connected arc sub-units on option card 1 | R(W)   | 1      | 0=1 AQ-101 1=2 AQ-101 2=3 AQ-101 3=4 AQ-101 4=5 AQ-101 5=6 AQ-101 6=7 AQ-101 7=8 AQ-101                                                                                                                                                                                                                                                                                                                           |
| HR10326          | ARC1:I/O Arc> arc sub-unit status on option card 1               | R(W)   | 1      | 0=AQ101 unit count match 1=AQ 101 unit count mismatch                                                                                                                                                                                                                                                                                                                                                             |
| HR10327          | ARC1:Sensor status                                               | R      | 2      | 0b=Ph Curr Blocked 1b=Ph Curr Start 2b=Res Curr Blocked 3b=Res Curr Start 4b=Channel1 Light 5b=Channel1 Pressure 6b=Channel2 Light 7b=Channel2 Pressure 8b=Channel3 Light 9b=Channel3 Pressure 10b=Channel4 Light 11b=Channel4 Pressure 12b=Digital input 13b=I/O Arc> Sensor 1 Fault 14b=I/O Arc> Sensor 2 Fault 15b=I/O Arc> Sensor 3 Fault 16b=I/O Arc> Sensor 4 Fault 17b=I/O Arc> I/O-unit Fault (Hi-16bits) |
| HR10328          |                                                                  |        |        | HR10327 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                               |
| HR10329          | ARC1:Channel 1 sensors                                           | R(W)   | 1      | 0=No Sensors 1=1 Sensor 2=2 Sensors 3=3 Sensors                                                                                                                                                                                                                                                                                                                                                                   |
| HR10330          | ARC1:Channel 1 sensor status                                     | R      | 1      | 0=Sensors Ok 1=Configuration fault                                                                                                                                                                                                                                                                                                                                                                                |
| HR10331          | ARC1:Channel 2 sensors                                           | R(W)   | 1      | 0=No Sensors 1=1 Sensor 2=2 Sensors 3=3 Sensors                                                                                                                                                                                                                                                                                                                                                                   |
| HR10332          | ARC1:Channel 2 sensor status                                     | R      | 1      | 0=Sensors Ok 1=Configuration fault                                                                                                                                                                                                                                                                                                                                                                                |
| HR10333          | ARC1:Channel 3 sensors                                           | R(W)   | 1      | 0=No Sensors 1=1 Sensor 2=2 Sensors 3=3 Sensors                                                                                                                                                                                                                                                                                                                                                                   |
| HR10334          | ARC1:Channel 3 sensor status                                     | R      | 1      | 0=Sensors Ok 1=Configuration fault                                                                                                                                                                                                                                                                                                                                                                                |
| HR10335          | ARC1:Channel 4 sensors                                           | R(W)   | 1      | 0=No Sensors 1=1 Sensor 2=2 Sensors 3=3 Sensors                                                                                                                                                                                                                                                                                                                                                                   |
| HR10336          | ARC1:Channel 4 sensor status                                     | R      | 1      | 0=Sensors Ok 1=Configuration fault                                                                                                                                                                                                                                                                                                                                                                                |
| HR10337          | ARC1:Phase current pick-up                                       | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                     |
| HR10338          |                                                                  |        |        | HR10337 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                               |
| HR10339          | ARC1:Phase current pick-up                                       | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                     |
| HR10340          |                                                                  |        |        | HR10339 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                               |
| HR10341          | ARC1:Phase current pick-up                                       | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                     |
| HR10342          |                                                                  |        |        | HR10341 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                               |
| HR10343          | ARC1:Phase current pick-up                                       | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                     |

| Holding Register | Parameter                  | Access | Length | Info                          |
|------------------|----------------------------|--------|--------|-------------------------------|
| HR10344          |                            |        |        | HR10343 (Lo-16bits)           |
| HR10345          | ARC1:Phase current pick-up | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10346          |                            |        |        | HR10345 (Lo-16bits)           |
| HR10347          | ARC1:Phase current pick-up | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10348          |                            |        |        | HR10347 (Lo-16bits)           |
| HR10349          | ARC1:Phase current pick-up | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10350          |                            |        |        | HR10349 (Lo-16bits)           |
| HR10351          | ARC1:Phase current pick-up | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10352          |                            |        |        | HR10351 (Lo-16bits)           |
| HR10353          | ARC1:I0 input selection    | R(W)   | 1      | 0=None 1=I01 2=I02            |
| HR10354          | ARC1:I0 input selection    | R(W)   | 1      | 0=None 1=I01 2=I02            |
| HR10355          | ARC1:I0 input selection    | R(W)   | 1      | 0=None 1=I01 2=I02            |
| HR10356          | ARC1:I0 input selection    | R(W)   | 1      | 0=None 1=I01 2=I02            |
| HR10357          | ARC1:I0 input selection    | R(W)   | 1      | 0=None 1=I01 2=I02            |
| HR10358          | ARC1:I0 input selection    | R(W)   | 1      | 0=None 1=I01 2=I02            |
| HR10359          | ARC1:I0 input selection    | R(W)   | 1      | 0=None 1=I01 2=I02            |
| HR10360          | ARC1:I0 input selection    | R(W)   | 1      | 0=None 1=I01 2=I02            |
| HR10361          | ARC1:Res. current pick-up  | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10362          |                            |        |        | HR10361 (Lo-16bits)           |
| HR10363          | ARC1:Res. current pick-up  | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10364          |                            |        |        | HR10363 (Lo-16bits)           |
| HR10365          | ARC1:Res. current pick-up  | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10366          |                            |        |        | HR10365 (Lo-16bits)           |
| HR10367          | ARC1:Res. current pick-up  | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10368          |                            |        |        | HR10367 (Lo-16bits)           |
| HR10369          | ARC1:Res. current pick-up  | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10370          |                            |        |        | HR10369 (Lo-16bits)           |
| HR10371          | ARC1:Res. current pick-up  | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10372          |                            |        |        | HR10371 (Lo-16bits)           |
| HR10373          | ARC1:Res. current pick-up  | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |

| Holding Register | Parameter                   | Access | Length | Info                          |
|------------------|-----------------------------|--------|--------|-------------------------------|
| HR10374          |                             |        |        | HR10373 (Lo-16bits)           |
| HR10375          | ARC1:Res. current pick-up   | R(W)   | 2      | FLOAT [0.05...40] (Hi-16bits) |
| HR10376          |                             |        |        | HR10375 (Lo-16bits)           |
| HR10377          | ARC1:Zone1 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10378          | ARC1:Zone1 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10379          | ARC1:Zone1 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10380          | ARC1:Zone1 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10381          | ARC1:Zone1 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10382          | ARC1:Zone1 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10383          | ARC1:Zone1 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10384          | ARC1:Zone1 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10385          | ARC1:Zone1 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10386          | ARC1:Zone1 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10387          | ARC1:Zone1 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10388          | ARC1:Zone1 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10389          | ARC1:Zone1 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10390          | ARC1:Zone1 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10391          | ARC1:Zone1 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10392          | ARC1:Zone1 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10393          | ARC1:Zone1 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10394          | ARC1:Zone1 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10395          | ARC1:Zone1 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10396          | ARC1:Zone1 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10397          | ARC1:Zone1 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10398          | ARC1:Zone1 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10399          | ARC1:Zone1 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10400          | ARC1:Zone1 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10401          | ARC1:Zone1 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10402          | ARC1:Zone1 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |
| HR10403          | ARC1:Zone1 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled          |

| Holding Register | Parameter                  | Access | Length | Info                               |
|------------------|----------------------------|--------|--------|------------------------------------|
| HR10404          | ARC1:Zone1 Light 1 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10405          | ARC1:Zone1 Light 1 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10406          | ARC1:Zone1 Light 1 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10407          | ARC1:Zone1 Light 1 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10408          | ARC1:Zone1 Light 1 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10409          | ARC1:Zone1 Light 2 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10410          | ARC1:Zone1 Light 2 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10411          | ARC1:Zone1 Light 2 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10412          | ARC1:Zone1 Light 2 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10413          | ARC1:Zone1 Light 2 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10414          | ARC1:Zone1 Light 2 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10415          | ARC1:Zone1 Light 2 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10416          | ARC1:Zone1 Light 2 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10417          | ARC1:Zone1 Light 3 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10418          | ARC1:Zone1 Light 3 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10419          | ARC1:Zone1 Light 3 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10420          | ARC1:Zone1 Light 3 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10421          | ARC1:Zone1 Light 3 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10422          | ARC1:Zone1 Light 3 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10423          | ARC1:Zone1 Light 3 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10424          | ARC1:Zone1 Light 3 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10425          | ARC1:Zone1 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10426          | ARC1:Zone1 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10427          | ARC1:Zone1 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10428          | ARC1:Zone1 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10429          | ARC1:Zone1 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10430          | ARC1:Zone1 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10431          | ARC1:Zone1 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10432          | ARC1:Zone1 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10433          | ARC1:Zone1 DI Enabled      | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |

| Holding Register | Parameter                   | Access | Length | Info                               |
|------------------|-----------------------------|--------|--------|------------------------------------|
| HR10434          | ARC1:Zone1 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10435          | ARC1:Zone1 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10436          | ARC1:Zone1 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10437          | ARC1:Zone1 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10438          | ARC1:Zone1 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10439          | ARC1:Zone1 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10440          | ARC1:Zone1 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10441          | ARC1:Zone2 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10442          | ARC1:Zone2 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10443          | ARC1:Zone2 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10444          | ARC1:Zone2 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10445          | ARC1:Zone2 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10446          | ARC1:Zone2 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10447          | ARC1:Zone2 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10448          | ARC1:Zone2 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10449          | ARC1:Zone2 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10450          | ARC1:Zone2 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10451          | ARC1:Zone2 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10452          | ARC1:Zone2 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10453          | ARC1:Zone2 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10454          | ARC1:Zone2 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10455          | ARC1:Zone2 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10456          | ARC1:Zone2 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10457          | ARC1:Zone2 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10458          | ARC1:Zone2 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10459          | ARC1:Zone2 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10460          | ARC1:Zone2 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10461          | ARC1:Zone2 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10462          | ARC1:Zone2 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10463          | ARC1:Zone2 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |

| Holding Register | Parameter                   | Access | Length | Info                 |
|------------------|-----------------------------|--------|--------|----------------------|
| HR10464          | ARC1:Zone2 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10465          | ARC1:Zone2 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10466          | ARC1:Zone2 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10467          | ARC1:Zone2 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10468          | ARC1:Zone2 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10469          | ARC1:Zone2 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10470          | ARC1:Zone2 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10471          | ARC1:Zone2 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10472          | ARC1:Zone2 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10473          | ARC1:Zone2 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10474          | ARC1:Zone2 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10475          | ARC1:Zone2 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10476          | ARC1:Zone2 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10477          | ARC1:Zone2 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10478          | ARC1:Zone2 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10479          | ARC1:Zone2 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10480          | ARC1:Zone2 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10481          | ARC1:Zone2 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10482          | ARC1:Zone2 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10483          | ARC1:Zone2 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10484          | ARC1:Zone2 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10485          | ARC1:Zone2 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10486          | ARC1:Zone2 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10487          | ARC1:Zone2 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10488          | ARC1:Zone2 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10489          | ARC1:Zone2 Light 4 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10490          | ARC1:Zone2 Light 4 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10491          | ARC1:Zone2 Light 4 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10492          | ARC1:Zone2 Light 4 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10493          | ARC1:Zone2 Light 4 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |

| Holding Register | Parameter                   | Access | Length | Info                               |
|------------------|-----------------------------|--------|--------|------------------------------------|
| HR10494          | ARC1:Zone2 Light 4 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10495          | ARC1:Zone2 Light 4 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10496          | ARC1:Zone2 Light 4 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10497          | ARC1:Zone2 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10498          | ARC1:Zone2 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10499          | ARC1:Zone2 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10500          | ARC1:Zone2 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10501          | ARC1:Zone2 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10502          | ARC1:Zone2 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10503          | ARC1:Zone2 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10504          | ARC1:Zone2 DI Enabled       | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10505          | ARC1:Zone3 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10506          | ARC1:Zone3 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10507          | ARC1:Zone3 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10508          | ARC1:Zone3 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10509          | ARC1:Zone3 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10510          | ARC1:Zone3 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10511          | ARC1:Zone3 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10512          | ARC1:Zone3 Enabled          | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10513          | ARC1:Zone3 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10514          | ARC1:Zone3 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10515          | ARC1:Zone3 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10516          | ARC1:Zone3 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10517          | ARC1:Zone3 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10518          | ARC1:Zone3 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10519          | ARC1:Zone3 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10520          | ARC1:Zone3 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10521          | ARC1:Zone3 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10522          | ARC1:Zone3 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10523          | ARC1:Zone3 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |

| Holding Register | Parameter                   | Access | Length | Info                 |
|------------------|-----------------------------|--------|--------|----------------------|
| HR10524          | ARC1:Zone3 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10525          | ARC1:Zone3 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10526          | ARC1:Zone3 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10527          | ARC1:Zone3 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10528          | ARC1:Zone3 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10529          | ARC1:Zone3 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10530          | ARC1:Zone3 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10531          | ARC1:Zone3 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10532          | ARC1:Zone3 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10533          | ARC1:Zone3 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10534          | ARC1:Zone3 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10535          | ARC1:Zone3 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10536          | ARC1:Zone3 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10537          | ARC1:Zone3 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10538          | ARC1:Zone3 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10539          | ARC1:Zone3 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10540          | ARC1:Zone3 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10541          | ARC1:Zone3 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10542          | ARC1:Zone3 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10543          | ARC1:Zone3 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10544          | ARC1:Zone3 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10545          | ARC1:Zone3 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10546          | ARC1:Zone3 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10547          | ARC1:Zone3 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10548          | ARC1:Zone3 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10549          | ARC1:Zone3 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10550          | ARC1:Zone3 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10551          | ARC1:Zone3 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10552          | ARC1:Zone3 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10553          | ARC1:Zone3 Light 4 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |



| Holding Register | Parameter                  | Access | Length | Info                               |
|------------------|----------------------------|--------|--------|------------------------------------|
| HR10554          | ARC1:Zone3 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10555          | ARC1:Zone3 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10556          | ARC1:Zone3 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10557          | ARC1:Zone3 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10558          | ARC1:Zone3 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10559          | ARC1:Zone3 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10560          | ARC1:Zone3 Light 4 Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10561          | ARC1:Zone3 DI Enabled      | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10562          | ARC1:Zone3 DI Enabled      | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10563          | ARC1:Zone3 DI Enabled      | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10564          | ARC1:Zone3 DI Enabled      | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10565          | ARC1:Zone3 DI Enabled      | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10566          | ARC1:Zone3 DI Enabled      | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10567          | ARC1:Zone3 DI Enabled      | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10568          | ARC1:Zone3 DI Enabled      | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10569          | ARC1:Zone4 Enabled         | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10570          | ARC1:Zone4 Enabled         | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10571          | ARC1:Zone4 Enabled         | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10572          | ARC1:Zone4 Enabled         | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10573          | ARC1:Zone4 Enabled         | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10574          | ARC1:Zone4 Enabled         | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10575          | ARC1:Zone4 Enabled         | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10576          | ARC1:Zone4 Enabled         | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10577          | ARC1:Zone4 Ph.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10578          | ARC1:Zone4 Ph.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10579          | ARC1:Zone4 Ph.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10580          | ARC1:Zone4 Ph.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10581          | ARC1:Zone4 Ph.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10582          | ARC1:Zone4 Ph.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10583          | ARC1:Zone4 Ph.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled               |

| Holding Register | Parameter                   | Access | Length | Info                 |
|------------------|-----------------------------|--------|--------|----------------------|
| HR10584          | ARC1:Zone4 Ph.Curr Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10585          | ARC1:Zone4 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10586          | ARC1:Zone4 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10587          | ARC1:Zone4 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10588          | ARC1:Zone4 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10589          | ARC1:Zone4 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10590          | ARC1:Zone4 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10591          | ARC1:Zone4 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10592          | ARC1:Zone4 Res.Curr Enabled | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10593          | ARC1:Zone4 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10594          | ARC1:Zone4 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10595          | ARC1:Zone4 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10596          | ARC1:Zone4 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10597          | ARC1:Zone4 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10598          | ARC1:Zone4 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10599          | ARC1:Zone4 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10600          | ARC1:Zone4 Light 1 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10601          | ARC1:Zone4 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10602          | ARC1:Zone4 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10603          | ARC1:Zone4 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10604          | ARC1:Zone4 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10605          | ARC1:Zone4 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10606          | ARC1:Zone4 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10607          | ARC1:Zone4 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10608          | ARC1:Zone4 Light 2 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10609          | ARC1:Zone4 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10610          | ARC1:Zone4 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10611          | ARC1:Zone4 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10612          | ARC1:Zone4 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |
| HR10613          | ARC1:Zone4 Light 3 Enabled  | R(W)   | 1      | 0=Disabled 1=Enabled |

| Holding Register | Parameter                      | Access | Length | Info                               |
|------------------|--------------------------------|--------|--------|------------------------------------|
| HR10614          | ARC1:Zone4 Light 3 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10615          | ARC1:Zone4 Light 3 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10616          | ARC1:Zone4 Light 3 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10617          | ARC1:Zone4 Light 4 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10618          | ARC1:Zone4 Light 4 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10619          | ARC1:Zone4 Light 4 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10620          | ARC1:Zone4 Light 4 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10621          | ARC1:Zone4 Light 4 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10622          | ARC1:Zone4 Light 4 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10623          | ARC1:Zone4 Light 4 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10624          | ARC1:Zone4 Light 4 Enabled     | R(W)   | 1      | 0=Disabled 1=Enabled               |
| HR10625          | ARC1:Zone4 DI Enabled          | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10626          | ARC1:Zone4 DI Enabled          | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10627          | ARC1:Zone4 DI Enabled          | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10628          | ARC1:Zone4 DI Enabled          | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10629          | ARC1:Zone4 DI Enabled          | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10630          | ARC1:Zone4 DI Enabled          | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10631          | ARC1:Zone4 DI Enabled          | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10632          | ARC1:Zone4 DI Enabled          | R(W)   | 1      | 0=Disabled 1=Light In 2=Current In |
| HR10633          | CTS1:CTS1 mode                 | R(W)   | 1      | 0=Disabled 1=Activated             |
| HR10634          | CTS2:CTS2 mode                 | R(W)   | 1      | 0=Disabled 1=Activated             |
| HR10635          | VTS1:VTS [60] mode             | R(W)   | 1      | 0=Disabled 1=Activated             |
| HR10636          | FLX1:Fault locator [21FL] mode | R(W)   | 1      | 0=Disabled 1=Activated             |
| HR10637          | THD1:THD mode                  | R(W)   | 1      | 0=Disabled 1=Activated             |
| HR10638          | THDV1:THDV mode                | R(W)   | 1      | 0=Disabled 1=Activated             |
| HR10639          | THDV1:THDV condition           | R      | 1      | 0=Normal 1=Start 2=Alarm 3=Blocked |
| HR10640          | CBW1:CBW mode                  | R(W)   | 1      | 0=Disabled 1=Activated             |
| HR10641          | NJK1:U0> RECL [79] mode        | R(W)   | 1      | 0=Disabled 1=Activated             |
| HR10642          | SOF1:SOTF mode                 | R(W)   | 1      | 0=Disabled 1=Activated             |
| HR10643          | DOS1:Energy dose counter mode  | R(W)   | 1      | 0=Disabled 1=Activated             |

| Holding Register | Parameter                                   | Access | Length | Info                   |
|------------------|---------------------------------------------|--------|--------|------------------------|
| HR10644          | DOS2:Energy dose counter mode               | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10645          | SYN1:SYN(1,2,3) [25] mode                   | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10646          | VJP1:Vector jump <DELTA><alpha> > [78] mode | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10647          | OBJS1:Phase-wise object mode                | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10648          | OBJ1:Object1 mode                           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10649          | OBJ2:Object2 mode                           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10650          | OBJ3:Object3 mode                           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10651          | OBJ4:Object4 mode                           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10652          | OBJ5:Object5 mode                           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10653          | OBJ6:Object6 mode                           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10654          | OBJ7:Object7 mode                           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10655          | OBJ8:Object8 mode                           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10656          | OBJ9:Object9 mode                           | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10657          | OBJ10:Object10 mode                         | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10658          | CIN1:Indicator 1 mode                       | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10659          | CIN2:Indicator 2 mode                       | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10660          | CIN3:Indicator 3 mode                       | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10661          | CIN4:Indicator 4 mode                       | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10662          | CIN5:Indicator 5 mode                       | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10663          | CIN6:Indicator 6 mode                       | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10664          | CIN7:Indicator 7 mode                       | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10665          | CIN8:Indicator 8 mode                       | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10666          | CIN9:Indicator 9 mode                       | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10667          | CIN10:Indicator 10 mode                     | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10668          | CIN11:Indicator 11 mode                     | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10669          | CIN12:Indicator 12 mode                     | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10670          | CIN13:Indicator 13 mode                     | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10671          | CIN14:Indicator 14 mode                     | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10672          | CIN15:Indicator 15 mode                     | R(W)   | 1      | 0=Disabled 1=Activated |
| HR10673          | CIN16:Indicator 16 mode                     | R(W)   | 1      | 0=Disabled 1=Activated |

| Holding Register | Parameter                     | Access | Length | Info                                   |
|------------------|-------------------------------|--------|--------|----------------------------------------|
| HR10674          | CIN17:Indicator 17 mode       | R(W)   | 1      | 0=Disabled 1=Activated                 |
| HR10675          | CIN18:Indicator 18 mode       | R(W)   | 1      | 0=Disabled 1=Activated                 |
| HR10676          | CIN19:Indicator 19 mode       | R(W)   | 1      | 0=Disabled 1=Activated                 |
| HR10677          | CIN20:Indicator 20 mode       | R(W)   | 1      | 0=Disabled 1=Activated                 |
| HR10678          | AR1:Auto-recloser [79] mode   | R(W)   | 1      | 0=Disabled 1=Activated                 |
| HR10679          | VRG1:Vreg [AVR/90] mode       | R(W)   | 1      | 0=Disabled 1=Activated                 |
| HR10680          | EMON1:Monitor mode            | R(W)   | 1      | 0=Disabled 1=Activated                 |
| HR10681          | GMAG:Excitation control mode  | R(W)   | 1      | 0=Disabled 1=Activated                 |
| HR10682          | GSYN:DeadBus synchronizing    | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR10683          |                               |        |        | HR10682 (Lo-16bits)                    |
| HR10684          | GSYN:BlackStart synchronizing | R      | 2      | SIGNAL_IN [0...4294967295] (Hi-16bits) |
| HR10685          |                               |        |        | HR10684 (Lo-16bits)                    |
| HR10686          | VREC:Time                     | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)    |
| HR10687          |                               |        |        | HR10686 (Lo-16bits)                    |
| HR10688          | VREC:Time                     | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)    |
| HR10689          |                               |        |        | HR10688 (Lo-16bits)                    |
| HR10690          | VREC:Time                     | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)    |
| HR10691          |                               |        |        | HR10690 (Lo-16bits)                    |
| HR10692          | VREC:Time                     | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)    |
| HR10693          |                               |        |        | HR10692 (Lo-16bits)                    |
| HR10694          | VREC:Time                     | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)    |
| HR10695          |                               |        |        | HR10694 (Lo-16bits)                    |
| HR10696          | VREC:Time                     | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)    |
| HR10697          |                               |        |        | HR10696 (Lo-16bits)                    |
| HR10698          | VREC:Time                     | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)    |
| HR10699          |                               |        |        | HR10698 (Lo-16bits)                    |
| HR10700          | VREC:Time                     | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)    |
| HR10701          |                               |        |        | HR10700 (Lo-16bits)                    |
| HR10702          | VREC:Time                     | R      | 2      | UINT32 [0...4294967295] (Hi-16bits)    |
| HR10703          |                               |        |        | HR10702 (Lo-16bits)                    |

| Holding Register | Parameter               | Access | Length | Info                                |
|------------------|-------------------------|--------|--------|-------------------------------------|
| HR10704          | VREC:Time               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR10705          |                         |        |        | HR10704 (Lo-16bits)                 |
| HR10706          | VREC:Time               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR10707          |                         |        |        | HR10706 (Lo-16bits)                 |
| HR10708          | VREC:Time               | R      | 2      | UINT32 [0...4294967295] (Hi-16bits) |
| HR10709          |                         |        |        | HR10708 (Lo-16bits)                 |
| HR10710          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10711          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10712          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10713          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10714          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10715          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10716          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10717          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10718          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10719          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10720          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10721          | VREC:ms                 | R      | 1      | UINT32 [0...999]                    |
| HR10722          | DEV:Application package | R      | 2      | STRING [...32] (Hi-16bits)          |
| HR10723          |                         |        |        | HR10722 (Lo-16bits)                 |
| HR10724          | DEV:Application package | R      | 2      | STRING [...32] (Hi-16bits)          |
| HR10725          |                         |        |        | HR10724 (Lo-16bits)                 |
| HR10726          | DEV:Application package | R      | 2      | STRING [...32] (Hi-16bits)          |
| HR10727          |                         |        |        | HR10726 (Lo-16bits)                 |
| HR10728          | DEV:Application package | R      | 2      | STRING [...32] (Hi-16bits)          |
| HR10729          |                         |        |        | HR10728 (Lo-16bits)                 |
| HR10730          | DEV:Application package | R      | 2      | STRING [...32] (Hi-16bits)          |
| HR10731          |                         |        |        | HR10730 (Lo-16bits)                 |
| HR10732          | DEV:Application package | R      | 2      | STRING [...32] (Hi-16bits)          |
| HR10733          |                         |        |        | HR10732 (Lo-16bits)                 |

| Holding Register | Parameter                                  | Access | Length | Info                         |
|------------------|--------------------------------------------|--------|--------|------------------------------|
| HR10734          | DEV:Application package                    | R      | 2      | STRING [...32] (Hi-16bits)   |
| HR10735          |                                            |        |        | HR10734 (Lo-16bits)          |
| HR10736          | DEV:Application package                    | R      | 2      | STRING [...32] (Hi-16bits)   |
| HR10737          |                                            |        |        | HR10736 (Lo-16bits)          |
| HR10738          | DEV:Application package                    | R      | 2      | STRING [...32] (Hi-16bits)   |
| HR10739          |                                            |        |        | HR10738 (Lo-16bits)          |
| HR10740          | EFX1:U0 (50Hz) pick-up setting             | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR10741          |                                            |        |        | HR10740 (Lo-16bits)          |
| HR10742          | EFX1:U0 (50Hz) pick-up setting             | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR10743          |                                            |        |        | HR10742 (Lo-16bits)          |
| HR10744          | EFX1:U0 (50Hz) pick-up setting             | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR10745          |                                            |        |        | HR10744 (Lo-16bits)          |
| HR10746          | EFX1:U0 (50Hz) pick-up setting             | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR10747          |                                            |        |        | HR10746 (Lo-16bits)          |
| HR10748          | EFX1:U0 (50Hz) pick-up setting             | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR10749          |                                            |        |        | HR10748 (Lo-16bits)          |
| HR10750          | EFX1:U0 (50Hz) pick-up setting             | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR10751          |                                            |        |        | HR10750 (Lo-16bits)          |
| HR10752          | EFX1:U0 (50Hz) pick-up setting             | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR10753          |                                            |        |        | HR10752 (Lo-16bits)          |
| HR10754          | EFX1:U0 (50Hz) pick-up setting             | R(W)   | 2      | FLOAT [1...75] (Hi-16bits)   |
| HR10755          |                                            |        |        | HR10754 (Lo-16bits)          |
| HR10756          | EFX1:3I0 (5th harm.) pick-up setting [abs] | R(W)   | 2      | FLOAT [0.05...1] (Hi-16bits) |
| HR10757          |                                            |        |        | HR10756 (Lo-16bits)          |
| HR10758          | EFX1:3I0 (5th harm.) pick-up setting [abs] | R(W)   | 2      | FLOAT [0.05...1] (Hi-16bits) |
| HR10759          |                                            |        |        | HR10758 (Lo-16bits)          |
| HR10760          | EFX1:3I0 (5th harm.) pick-up setting [abs] | R(W)   | 2      | FLOAT [0.05...1] (Hi-16bits) |
| HR10761          |                                            |        |        | HR10760 (Lo-16bits)          |

| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR10762          | EFX1:3I0 (5th harm.) pick-up setting [abs]   | R(W)   | 2      | FLOAT [0.05...1] (Hi-16bits) |
| HR10763          |                                              |        |        | HR10762 (Lo-16bits)          |
| HR10764          | EFX1:3I0 (5th harm.) pick-up setting [abs]   | R(W)   | 2      | FLOAT [0.05...1] (Hi-16bits) |
| HR10765          |                                              |        |        | HR10764 (Lo-16bits)          |
| HR10766          | EFX1:3I0 (5th harm.) pick-up setting [abs]   | R(W)   | 2      | FLOAT [0.05...1] (Hi-16bits) |
| HR10767          |                                              |        |        | HR10766 (Lo-16bits)          |
| HR10768          | EFX1:3I0 (5th harm.) pick-up setting [abs]   | R(W)   | 2      | FLOAT [0.05...1] (Hi-16bits) |
| HR10769          |                                              |        |        | HR10768 (Lo-16bits)          |
| HR10770          | EFX1:3I0 (5th harm.) pick-up setting [abs]   | R(W)   | 2      | FLOAT [0.05...1] (Hi-16bits) |
| HR10771          |                                              |        |        | HR10770 (Lo-16bits)          |
| HR10772          | EFX1:3I0 (5th harm.) angle range +/- setting | R(W)   | 2      | FLOAT [10...45] (Hi-16bits)  |
| HR10773          |                                              |        |        | HR10772 (Lo-16bits)          |
| HR10774          | EFX1:3I0 (5th harm.) angle range +/- setting | R(W)   | 2      | FLOAT [10...45] (Hi-16bits)  |
| HR10775          |                                              |        |        | HR10774 (Lo-16bits)          |
| HR10776          | EFX1:3I0 (5th harm.) angle range +/- setting | R(W)   | 2      | FLOAT [10...45] (Hi-16bits)  |
| HR10777          |                                              |        |        | HR10776 (Lo-16bits)          |
| HR10778          | EFX1:3I0 (5th harm.) angle range +/- setting | R(W)   | 2      | FLOAT [10...45] (Hi-16bits)  |
| HR10779          |                                              |        |        | HR10778 (Lo-16bits)          |
| HR10780          | EFX1:3I0 (5th harm.) angle range +/- setting | R(W)   | 2      | FLOAT [10...45] (Hi-16bits)  |
| HR10781          |                                              |        |        | HR10780 (Lo-16bits)          |
| HR10782          | EFX1:3I0 (5th harm.) angle range +/- setting | R(W)   | 2      | FLOAT [10...45] (Hi-16bits)  |
| HR10783          |                                              |        |        | HR10782 (Lo-16bits)          |
| HR10784          | EFX1:3I0 (5th harm.) angle range +/- setting | R(W)   | 2      | FLOAT [10...45] (Hi-16bits)  |
| HR10785          |                                              |        |        | HR10784 (Lo-16bits)          |



| Holding Register | Parameter                                    | Access | Length | Info                         |
|------------------|----------------------------------------------|--------|--------|------------------------------|
| HR10786          | EFX1:3I0 (5th harm.) angle range +/- setting | R(W)   | 2      | FLOAT [10...45] (Hi-16bits)  |
| HR10787          |                                              |        |        | HR10786 (Lo-16bits)          |
| HR10788          | EFX1:3I0 (5th harm.) angle center setting    | R(W)   | 2      | FLOAT [-90...90] (Hi-16bits) |
| HR10789          |                                              |        |        | HR10788 (Lo-16bits)          |
| HR10790          | EFX1:3I0 (5th harm.) angle center setting    | R(W)   | 2      | FLOAT [-90...90] (Hi-16bits) |
| HR10791          |                                              |        |        | HR10790 (Lo-16bits)          |
| HR10792          | EFX1:3I0 (5th harm.) angle center setting    | R(W)   | 2      | FLOAT [-90...90] (Hi-16bits) |
| HR10793          |                                              |        |        | HR10792 (Lo-16bits)          |
| HR10794          | EFX1:3I0 (5th harm.) angle center setting    | R(W)   | 2      | FLOAT [-90...90] (Hi-16bits) |
| HR10795          |                                              |        |        | HR10794 (Lo-16bits)          |
| HR10796          | EFX1:3I0 (5th harm.) angle center setting    | R(W)   | 2      | FLOAT [-90...90] (Hi-16bits) |
| HR10797          |                                              |        |        | HR10796 (Lo-16bits)          |
| HR10798          | EFX1:3I0 (5th harm.) angle center setting    | R(W)   | 2      | FLOAT [-90...90] (Hi-16bits) |
| HR10799          |                                              |        |        | HR10798 (Lo-16bits)          |
| HR10800          | EFX1:3I0 (5th harm.) angle center setting    | R(W)   | 2      | FLOAT [-90...90] (Hi-16bits) |
| HR10801          |                                              |        |        | HR10800 (Lo-16bits)          |
| HR10802          | EFX1:3I0 (5th harm.) angle center setting    | R(W)   | 2      | FLOAT [-90...90] (Hi-16bits) |
| HR10803          |                                              |        |        | HR10802 (Lo-16bits)          |
| HR10804          | CIN1:Indicator 1 status input                | R(W)   | 1      | 0=Signals 1=GooseDBPOS       |

| Holding Register | Parameter                          | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|------------------------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR10805          | CIN1:Indicator 1 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10806          | CIN2:Indicator 2 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Holding Register | Parameter                          | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|------------------------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR10807          | CIN2:Indicator 2 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10808          | CIN3:Indicator 3 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Holding Register | Parameter                          | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|------------------------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR10809          | CIN3:Indicator 3 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10810          | CIN4:Indicator 4 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Holding Register | Parameter                          | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|------------------------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR10811          | CIN4:Indicator 4 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10812          | CIN5:Indicator 5 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Holding Register | Parameter                          | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| HR10813          | CIN5:Indicator 5 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10814          | CIN6:Indicator 6 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| HR10815          | CIN6:Indicator 6 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10816          | CIN7:Indicator 7 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| HR10817          | CIN7:Indicator 7 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10818          | CIN8:Indicator 8 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



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| HR10819          | CIN8:Indicator 8 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10820          | CIN9:Indicator 9 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| HR10821          | CIN9:Indicator 9 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10822          | CIN10:Indicator 10 status input    | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| HR10823          | CIN10:Indicator 10 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10824          | CIN11:Indicator 11 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| HR10825          | CIN11:Indicator 11 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10826          | CIN12:Indicator 12 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| HR10827          | CIN12:Indicator 12 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10828          | CIN13:Indicator 13 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| HR10829          | CIN13:Indicator 13 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10830          | CIN14:Indicator 14 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| HR10831          | CIN14:Indicator 14 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10832          | CIN15:Indicator 15 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| HR10833          | CIN15:Indicator 15 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10834          | CIN16:Indicator 16 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



| Holding Register | Parameter                            | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| HR10835          | CIN16:Indicator 16 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10836          | CIN17:Indicator 17 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Holding Register | Parameter                            | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|--------------------------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR10837          | CIN17:Indicator 17 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10838          | CIN18:Indicator 18 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Holding Register | Parameter                            | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| HR10839          | CIN18:Indicator 18 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10840          | CIN19:Indicator 19 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Holding Register | Parameter                            | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| HR10841          | CIN19:Indicator 19 status to display | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10842          | CIN20:Indicator 20 status input      | R(W)   | 1      | 0=Signals 1=GooseDBPOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Holding Register | Parameter                              | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|----------------------------------------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR10843          | CIN20:Indicator 20 status to display   | R(W)   | 1      | 0=GOOSE IN Switch 1 1=GOOSE IN Switch 2 2=GOOSE IN Switch 3 3=GOOSE IN Switch 4 4=GOOSE IN Switch 5 5=GOOSE IN Switch 6 6=GOOSE IN Switch 7 7=GOOSE IN Switch 8 8=GOOSE IN Switch 9 9=GOOSE IN Switch 10 10=GOOSE IN Switch 11 11=GOOSE IN Switch 12 12=GOOSE IN Switch 13 13=GOOSE IN Switch 14 14=GOOSE IN Switch 15 15=GOOSE IN Switch 16 16=GOOSE IN Switch 17 17=GOOSE IN Switch 18 18=GOOSE IN Switch 19 19=GOOSE IN Switch 20 20=GOOSE IN Switch 21 21=GOOSE IN Switch 22 22=GOOSE IN Switch 23 23=GOOSE IN Switch 24 24=GOOSE IN Switch 25 25=GOOSE IN Switch 26 26=GOOSE IN Switch 27 27=GOOSE IN Switch 28 28=GOOSE IN Switch 29 29=GOOSE IN Switch 30 30=GOOSE IN Switch 31 31=GOOSE IN Switch 32 32=GOOSE IN Switch 33 33=GOOSE IN Switch 34 34=GOOSE IN Switch 35 35=GOOSE IN Switch 36 36=GOOSE IN Switch 37 37=GOOSE IN Switch 38 38=GOOSE IN Switch 39 39=GOOSE IN Switch 40 40=GOOSE IN Switch 41 41=GOOSE IN Switch 42 42=GOOSE IN Switch 43 43=GOOSE IN Switch 44 44=GOOSE IN Switch 45 45=GOOSE IN Switch 46 46=GOOSE IN Switch 47 47=GOOSE IN Switch 48 48=GOOSE IN Switch 49 49=GOOSE IN Switch 50 50=GOOSE IN Switch 51 51=GOOSE IN Switch 52 52=GOOSE IN Switch 53 53=GOOSE IN Switch 54 54=GOOSE IN Switch 55 55=GOOSE IN Switch 56 56=GOOSE IN Switch 57 57=GOOSE IN Switch 58 58=GOOSE IN Switch 59 59=GOOSE IN Switch 60 60=GOOSE IN Switch 61 61=GOOSE IN Switch 62 62=GOOSE IN Switch 63 63=GOOSE IN Switch 64 |
| HR10844          | PFC1:PFC> [55C] mode                   | R(W)   | 1      | 0=Disabled 1=Activated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| HR10845          | PFC1:PFC condition                     | R      | 1      | 0=Normal 1=Discharging 2=Blocked 3=Switching interval 4=Starting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HR10846          | PFC1:Under voltage setting (more cap.) | R(W)   | 2      | FLOAT [70...130] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HR10847          |                                        |        |        | HR10846 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HR10848          | PFC1:Under voltage setting (more cap.) | R(W)   | 2      | FLOAT [70...130] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HR10849          |                                        |        |        | HR10848 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HR10850          | PFC1:Under voltage setting (more cap.) | R(W)   | 2      | FLOAT [70...130] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Holding Register | Parameter                              | Access | Length | Info                         |
|------------------|----------------------------------------|--------|--------|------------------------------|
| HR10851          |                                        |        |        | HR10850 (Lo-16bits)          |
| HR10852          | PFC1:Under voltage setting (more cap.) | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10853          |                                        |        |        | HR10852 (Lo-16bits)          |
| HR10854          | PFC1:Under voltage setting (more cap.) | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10855          |                                        |        |        | HR10854 (Lo-16bits)          |
| HR10856          | PFC1:Under voltage setting (more cap.) | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10857          |                                        |        |        | HR10856 (Lo-16bits)          |
| HR10858          | PFC1:Under voltage setting (more cap.) | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10859          |                                        |        |        | HR10858 (Lo-16bits)          |
| HR10860          | PFC1:Under voltage setting (more cap.) | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10861          |                                        |        |        | HR10860 (Lo-16bits)          |
| HR10862          | PFC1:Over voltage setting (less cap.)  | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10863          |                                        |        |        | HR10862 (Lo-16bits)          |
| HR10864          | PFC1:Over voltage setting (less cap.)  | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10865          |                                        |        |        | HR10864 (Lo-16bits)          |
| HR10866          | PFC1:Over voltage setting (less cap.)  | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10867          |                                        |        |        | HR10866 (Lo-16bits)          |
| HR10868          | PFC1:Over voltage setting (less cap.)  | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10869          |                                        |        |        | HR10868 (Lo-16bits)          |
| HR10870          | PFC1:Over voltage setting (less cap.)  | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10871          |                                        |        |        | HR10870 (Lo-16bits)          |
| HR10872          | PFC1:Over voltage setting (less cap.)  | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10873          |                                        |        |        | HR10872 (Lo-16bits)          |
| HR10874          | PFC1:Over voltage setting (less cap.)  | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |

| Holding Register | Parameter                             | Access | Length | Info                         |
|------------------|---------------------------------------|--------|--------|------------------------------|
| HR10875          |                                       |        |        | HR10874 (Lo-16bits)          |
| HR10876          | PFC1:Over voltage setting (less cap.) | R(W)   | 2      | FLOAT [70...130] (Hi-16bits) |
| HR10877          |                                       |        |        | HR10876 (Lo-16bits)          |
| HR10878          | PFC1:Cos Pi set point (Cap+)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10879          |                                       |        |        | HR10878 (Lo-16bits)          |
| HR10880          | PFC1:Cos Pi set point (Cap+)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10881          |                                       |        |        | HR10880 (Lo-16bits)          |
| HR10882          | PFC1:Cos Pi set point (Cap+)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10883          |                                       |        |        | HR10882 (Lo-16bits)          |
| HR10884          | PFC1:Cos Pi set point (Cap+)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10885          |                                       |        |        | HR10884 (Lo-16bits)          |
| HR10886          | PFC1:Cos Pi set point (Cap+)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10887          |                                       |        |        | HR10886 (Lo-16bits)          |
| HR10888          | PFC1:Cos Pi set point (Cap+)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10889          |                                       |        |        | HR10888 (Lo-16bits)          |
| HR10890          | PFC1:Cos Pi set point (Cap+)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10891          |                                       |        |        | HR10890 (Lo-16bits)          |
| HR10892          | PFC1:Cos Pi set point (Cap+)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10893          |                                       |        |        | HR10892 (Lo-16bits)          |
| HR10894          | PFC1:Cos Pi set point (Cap-)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10895          |                                       |        |        | HR10894 (Lo-16bits)          |
| HR10896          | PFC1:Cos Pi set point (Cap-)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10897          |                                       |        |        | HR10896 (Lo-16bits)          |
| HR10898          | PFC1:Cos Pi set point (Cap-)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10899          |                                       |        |        | HR10898 (Lo-16bits)          |
| HR10900          | PFC1:Cos Pi set point (Cap-)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10901          |                                       |        |        | HR10900 (Lo-16bits)          |
| HR10902          | PFC1:Cos Pi set point (Cap-)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |
| HR10903          |                                       |        |        | HR10902 (Lo-16bits)          |
| HR10904          | PFC1:Cos Pi set point (Cap-)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)   |

| Holding Register | Parameter                             | Access | Length | Info                               |
|------------------|---------------------------------------|--------|--------|------------------------------------|
| HR10905          |                                       |        |        | HR10904 (Lo-16bits)                |
| HR10906          | PFC1:Cos Pi set point (Cap-)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)         |
| HR10907          |                                       |        |        | HR10906 (Lo-16bits)                |
| HR10908          | PFC1:Cos Pi set point (Cap-)          | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)         |
| HR10909          |                                       |        |        | HR10908 (Lo-16bits)                |
| HR10910          | PFC1:More capacitance +kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10911          |                                       |        |        | HR10910 (Lo-16bits)                |
| HR10912          | PFC1:More capacitance +kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10913          |                                       |        |        | HR10912 (Lo-16bits)                |
| HR10914          | PFC1:More capacitance +kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10915          |                                       |        |        | HR10914 (Lo-16bits)                |
| HR10916          | PFC1:More capacitance +kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10917          |                                       |        |        | HR10916 (Lo-16bits)                |
| HR10918          | PFC1:More capacitance +kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10919          |                                       |        |        | HR10918 (Lo-16bits)                |
| HR10920          | PFC1:More capacitance +kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10921          |                                       |        |        | HR10920 (Lo-16bits)                |
| HR10922          | PFC1:More capacitance +kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10923          |                                       |        |        | HR10922 (Lo-16bits)                |
| HR10924          | PFC1:More capacitance +kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10925          |                                       |        |        | HR10924 (Lo-16bits)                |
| HR10926          | PFC1:Less capacitance -kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10927          |                                       |        |        | HR10926 (Lo-16bits)                |
| HR10928          | PFC1:Less capacitance -kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10929          |                                       |        |        | HR10928 (Lo-16bits)                |



| Holding Register | Parameter                             | Access | Length | Info                               |
|------------------|---------------------------------------|--------|--------|------------------------------------|
| HR10930          | PFC1:Less capacitance -kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10931          |                                       |        |        | HR10930 (Lo-16bits)                |
| HR10932          | PFC1:Less capacitance -kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10933          |                                       |        |        | HR10932 (Lo-16bits)                |
| HR10934          | PFC1:Less capacitance -kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10935          |                                       |        |        | HR10934 (Lo-16bits)                |
| HR10936          | PFC1:Less capacitance -kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10937          |                                       |        |        | HR10936 (Lo-16bits)                |
| HR10938          | PFC1:Less capacitance -kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10939          |                                       |        |        | HR10938 (Lo-16bits)                |
| HR10940          | PFC1:Less capacitance -kVAr threshold | R(W)   | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR10941          |                                       |        |        | HR10940 (Lo-16bits)                |
| HR10942          | PFC1:Minimum current block limit      | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)          |
| HR10943          |                                       |        |        | HR10942 (Lo-16bits)                |
| HR10944          | PFC1:Minimum current block limit      | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)          |
| HR10945          |                                       |        |        | HR10944 (Lo-16bits)                |
| HR10946          | PFC1:Minimum current block limit      | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)          |
| HR10947          |                                       |        |        | HR10946 (Lo-16bits)                |
| HR10948          | PFC1:Minimum current block limit      | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)          |
| HR10949          |                                       |        |        | HR10948 (Lo-16bits)                |
| HR10950          | PFC1:Minimum current block limit      | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)          |
| HR10951          |                                       |        |        | HR10950 (Lo-16bits)                |
| HR10952          | PFC1:Minimum current block limit      | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)          |
| HR10953          |                                       |        |        | HR10952 (Lo-16bits)                |
| HR10954          | PFC1:Minimum current block limit      | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)          |
| HR10955          |                                       |        |        | HR10954 (Lo-16bits)                |
| HR10956          | PFC1:Minimum current block limit      | R(W)   | 2      | FLOAT [0...1] (Hi-16bits)          |

| Holding Register | Parameter                        | Access | Length | Info                         |
|------------------|----------------------------------|--------|--------|------------------------------|
| HR10957          |                                  |        |        | HR10956 (Lo-16bits)          |
| HR10958          | PFC1:Minimum voltage block limit | R(W)   | 2      | FLOAT [0...50] (Hi-16bits)   |
| HR10959          |                                  |        |        | HR10958 (Lo-16bits)          |
| HR10960          | PFC1:Minimum voltage block limit | R(W)   | 2      | FLOAT [0...50] (Hi-16bits)   |
| HR10961          |                                  |        |        | HR10960 (Lo-16bits)          |
| HR10962          | PFC1:Minimum voltage block limit | R(W)   | 2      | FLOAT [0...50] (Hi-16bits)   |
| HR10963          |                                  |        |        | HR10962 (Lo-16bits)          |
| HR10964          | PFC1:Minimum voltage block limit | R(W)   | 2      | FLOAT [0...50] (Hi-16bits)   |
| HR10965          |                                  |        |        | HR10964 (Lo-16bits)          |
| HR10966          | PFC1:Minimum voltage block limit | R(W)   | 2      | FLOAT [0...50] (Hi-16bits)   |
| HR10967          |                                  |        |        | HR10966 (Lo-16bits)          |
| HR10968          | PFC1:Minimum voltage block limit | R(W)   | 2      | FLOAT [0...50] (Hi-16bits)   |
| HR10969          |                                  |        |        | HR10968 (Lo-16bits)          |
| HR10970          | PFC1:Minimum voltage block limit | R(W)   | 2      | FLOAT [0...50] (Hi-16bits)   |
| HR10971          |                                  |        |        | HR10970 (Lo-16bits)          |
| HR10972          | PFC1:Minimum voltage block limit | R(W)   | 2      | FLOAT [0...50] (Hi-16bits)   |
| HR10973          |                                  |        |        | HR10972 (Lo-16bits)          |
| HR10974          | PFC1:Bank control starting delay | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR10975          |                                  |        |        | HR10974 (Lo-16bits)          |
| HR10976          | PFC1:Bank control starting delay | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR10977          |                                  |        |        | HR10976 (Lo-16bits)          |
| HR10978          | PFC1:Bank control starting delay | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR10979          |                                  |        |        | HR10978 (Lo-16bits)          |
| HR10980          | PFC1:Bank control starting delay | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR10981          |                                  |        |        | HR10980 (Lo-16bits)          |
| HR10982          | PFC1:Bank control starting delay | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR10983          |                                  |        |        | HR10982 (Lo-16bits)          |
| HR10984          | PFC1:Bank control starting delay | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR10985          |                                  |        |        | HR10984 (Lo-16bits)          |
| HR10986          | PFC1:Bank control starting delay | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |

| Holding Register | Parameter                        | Access | Length | Info                         |
|------------------|----------------------------------|--------|--------|------------------------------|
| HR10987          |                                  |        |        | HR10986 (Lo-16bits)          |
| HR10988          | PFC1:Bank control starting delay | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR10989          |                                  |        |        | HR10988 (Lo-16bits)          |
| HR10990          | PFC1:Fast bank recontrol in use  | R(W)   | 1      | 0=No 1=Yes                   |
| HR10991          | PFC1:Fast bank recontrol in use  | R(W)   | 1      | 0=No 1=Yes                   |
| HR10992          | PFC1:Fast bank recontrol in use  | R(W)   | 1      | 0=No 1=Yes                   |
| HR10993          | PFC1:Fast bank recontrol in use  | R(W)   | 1      | 0=No 1=Yes                   |
| HR10994          | PFC1:Fast bank recontrol in use  | R(W)   | 1      | 0=No 1=Yes                   |
| HR10995          | PFC1:Fast bank recontrol in use  | R(W)   | 1      | 0=No 1=Yes                   |
| HR10996          | PFC1:Fast bank recontrol in use  | R(W)   | 1      | 0=No 1=Yes                   |
| HR10997          | PFC1:Fast bank recontrol in use  | R(W)   | 1      | 0=No 1=Yes                   |
| HR10998          | PFC1:Switch interval time        | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR10999          |                                  |        |        | HR10998 (Lo-16bits)          |
| HR11000          | PFC1:Switch interval time        | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR11001          |                                  |        |        | HR11000 (Lo-16bits)          |
| HR11002          | PFC1:Switch interval time        | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR11003          |                                  |        |        | HR11002 (Lo-16bits)          |
| HR11004          | PFC1:Switch interval time        | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR11005          |                                  |        |        | HR11004 (Lo-16bits)          |
| HR11006          | PFC1:Switch interval time        | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR11007          |                                  |        |        | HR11006 (Lo-16bits)          |
| HR11008          | PFC1:Switch interval time        | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR11009          |                                  |        |        | HR11008 (Lo-16bits)          |
| HR11010          | PFC1:Switch interval time        | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR11011          |                                  |        |        | HR11010 (Lo-16bits)          |
| HR11012          | PFC1:Switch interval time        | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR11013          |                                  |        |        | HR11012 (Lo-16bits)          |
| HR11014          | PFC1:Discharge time              | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |
| HR11015          |                                  |        |        | HR11014 (Lo-16bits)          |
| HR11016          | PFC1:Discharge time              | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits) |

| Holding Register | Parameter                                    | Access | Length | Info                               |
|------------------|----------------------------------------------|--------|--------|------------------------------------|
| HR11017          |                                              |        |        | HR11016 (Lo-16bits)                |
| HR11018          | PFC1:Discharge time                          | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits)       |
| HR11019          |                                              |        |        | HR11018 (Lo-16bits)                |
| HR11020          | PFC1:Discharge time                          | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits)       |
| HR11021          |                                              |        |        | HR11020 (Lo-16bits)                |
| HR11022          | PFC1:Discharge time                          | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits)       |
| HR11023          |                                              |        |        | HR11022 (Lo-16bits)                |
| HR11024          | PFC1:Discharge time                          | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits)       |
| HR11025          |                                              |        |        | HR11024 (Lo-16bits)                |
| HR11026          | PFC1:Discharge time                          | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits)       |
| HR11027          |                                              |        |        | HR11026 (Lo-16bits)                |
| HR11028          | PFC1:Discharge time                          | R(W)   | 2      | FLOAT [1...1800] (Hi-16bits)       |
| HR11029          |                                              |        |        | HR11028 (Lo-16bits)                |
| HR11030          | VRG1:Circulating current (A)                 | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11031          |                                              |        |        | HR11030 (Lo-16bits)                |
| HR11032          | VRG1:Circulating current deviation (%Un)     | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11033          |                                              |        |        | HR11032 (Lo-16bits)                |
| HR11034          | VRG1:Voltage deviation                       | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11035          |                                              |        |        | HR11034 (Lo-16bits)                |
| HR11036          | VRG1:Total deviation                         | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11037          |                                              |        |        | HR11036 (Lo-16bits)                |
| HR11038          | VRG1:Tap voltage (kV)                        | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11039          |                                              |        |        | HR11038 (Lo-16bits)                |
| HR11040          | VRG1:Voltage difference (kV)                 | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11041          |                                              |        |        | HR11040 (Lo-16bits)                |
| HR11042          | VRG1:Absolute tap location (parallel engine) | R      | 2      | FLOAT [0...50] (Hi-16bits)         |
| HR11043          |                                              |        |        | HR11042 (Lo-16bits)                |
| HR11044          | VRG1:AVR T1 tap location now (- 0 +)         | R      | 2      | FLOAT [-30...30] (Hi-16bits)       |
| HR11045          |                                              |        |        | HR11044 (Lo-16bits)                |

| Holding Register | Parameter                                 | Access | Length | Info                               |
|------------------|-------------------------------------------|--------|--------|------------------------------------|
| HR11046          | VRG1:AVR T2 tap location now (- 0 +)      | R      | 2      | FLOAT [-30...30] (Hi-16bits)       |
| HR11047          |                                           |        |        | HR11046 (Lo-16bits)                |
| HR11048          | VRG1:AVR T3 tap location now (- 0 +)      | R      | 2      | FLOAT [-30...30] (Hi-16bits)       |
| HR11049          |                                           |        |        | HR11048 (Lo-16bits)                |
| HR11050          | VRG1:AVR T4 tap location now (- 0 +)      | R      | 2      | FLOAT [-30...30] (Hi-16bits)       |
| HR11051          |                                           |        |        | HR11050 (Lo-16bits)                |
| HR11052          | VRG1:AVR T1 voltage deviation             | R      | 2      | FLOAT [-100...140] (Hi-16bits)     |
| HR11053          |                                           |        |        | HR11052 (Lo-16bits)                |
| HR11054          | VRG1:AVR T2 voltage deviation             | R      | 2      | FLOAT [-100...140] (Hi-16bits)     |
| HR11055          |                                           |        |        | HR11054 (Lo-16bits)                |
| HR11056          | VRG1:AVR T3 voltage deviation             | R      | 2      | FLOAT [-100...140] (Hi-16bits)     |
| HR11057          |                                           |        |        | HR11056 (Lo-16bits)                |
| HR11058          | VRG1:AVR T4 voltage deviation             | R      | 2      | FLOAT [-100...140] (Hi-16bits)     |
| HR11059          |                                           |        |        | HR11058 (Lo-16bits)                |
| HR11060          | VRG1:AVR T1 circulating current deviation | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11061          |                                           |        |        | HR11060 (Lo-16bits)                |
| HR11062          | VRG1:AVR T2 circulating current deviation | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11063          |                                           |        |        | HR11062 (Lo-16bits)                |
| HR11064          | VRG1:AVR T3 circulating current deviation | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11065          |                                           |        |        | HR11064 (Lo-16bits)                |
| HR11066          | VRG1:AVR T4 circulating current deviation | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11067          |                                           |        |        | HR11066 (Lo-16bits)                |
| HR11068          | VRG1:AVR T1 total deviation               | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11069          |                                           |        |        | HR11068 (Lo-16bits)                |
| HR11070          | VRG1:AVR T2 total deviation               | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11071          |                                           |        |        | HR11070 (Lo-16bits)                |
| HR11072          | VRG1:AVR T3 total deviation               | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |

| Holding Register | Parameter                              | Access | Length | Info                               |
|------------------|----------------------------------------|--------|--------|------------------------------------|
| HR11073          |                                        |        |        | HR11072 (Lo-16bits)                |
| HR11074          | VRG1:AVR T4 total deviation            | R      | 2      | FLOAT [-50000...50000] (Hi-16bits) |
| HR11075          |                                        |        |        | HR11074 (Lo-16bits)                |
| HR11076          | VRG1:AVR T1 Auto/Manual                | R      | 1      | 0=Automatic 1=Manual               |
| HR11077          | VRG1:AVR T2 Auto/Manual                | R      | 1      | 0=Automatic 1=Manual               |
| HR11078          | VRG1:AVR 3 Auto/Manual                 | R      | 1      | 0=Automatic 1=Manual               |
| HR11079          | VRG1:AVR T4 Auto/Manual                | R      | 1      | 0=Automatic 1=Manual               |
| HR11080          | VRG1:AVR T1 Independent/Parallel       | R      | 1      | 0=Single 1=Parallel                |
| HR11081          | VRG1:AVR T2 Independent/Parallel       | R      | 1      | 0=Single 1=Parallel                |
| HR11082          | VRG1:AVR T3 Independent/Parallel       | R      | 1      | 0=Single 1=Parallel                |
| HR11083          | VRG1:AVR T4 Independent/Parallel       | R      | 1      | 0=Single 1=Parallel                |
| HR11084          | VRG1:U>/< T2 fast recontrol delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)       |
| HR11085          |                                        |        |        | HR11084 (Lo-16bits)                |
| HR11086          | VRG1:U>/< T2 fast recontrol delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)       |
| HR11087          |                                        |        |        | HR11086 (Lo-16bits)                |
| HR11088          | VRG1:U>/< T2 fast recontrol delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)       |
| HR11089          |                                        |        |        | HR11088 (Lo-16bits)                |
| HR11090          | VRG1:U>/< T2 fast recontrol delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)       |
| HR11091          |                                        |        |        | HR11090 (Lo-16bits)                |
| HR11092          | VRG1:U>/< T2 fast recontrol delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)       |
| HR11093          |                                        |        |        | HR11092 (Lo-16bits)                |
| HR11094          | VRG1:U>/< T2 fast recontrol delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)       |
| HR11095          |                                        |        |        | HR11094 (Lo-16bits)                |
| HR11096          | VRG1:U>/< T2 fast recontrol delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)       |
| HR11097          |                                        |        |        | HR11096 (Lo-16bits)                |
| HR11098          | VRG1:U>/< T2 fast recontrol delay (DT) | R(W)   | 2      | FLOAT [0...1800] (Hi-16bits)       |

| Holding Register | Parameter                                               | Access | Length | Info                                     |
|------------------|---------------------------------------------------------|--------|--------|------------------------------------------|
| HR11099          |                                                         |        |        | HR11098 (Lo-16bits)                      |
| HR11100          | AOUT2:mA In (T card) 1 mA In 1                          | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR11101          |                                                         |        |        | HR11100 (Lo-16bits)                      |
| HR11102          | AOUT2:mA In (T card) 1 mA In 2                          | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR11103          |                                                         |        |        | HR11102 (Lo-16bits)                      |
| HR11104          | AOUT2:mA In (T card) 1 mA In 3                          | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR11105          |                                                         |        |        | HR11104 (Lo-16bits)                      |
| HR11106          | AOUT2:mA In (T card) 1 mA In 4                          | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR11107          |                                                         |        |        | HR11106 (Lo-16bits)                      |
| HR11108          | AOUT2:mA In (T card) 2 mA In 1                          | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR11109          |                                                         |        |        | HR11108 (Lo-16bits)                      |
| HR11110          | AOUT2:mA In (T card) 2 mA In 2                          | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR11111          |                                                         |        |        | HR11110 (Lo-16bits)                      |
| HR11112          | AOUT2:mA In (T card) 2 mA In 3                          | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR11113          |                                                         |        |        | HR11112 (Lo-16bits)                      |
| HR11114          | AOUT2:mA In (T card) 2 mA In 4                          | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR11115          |                                                         |        |        | HR11114 (Lo-16bits)                      |
| HR11116          | AOUT2:mA Out Channel 1 Input Magnitude now (T option 1) | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR11117          |                                                         |        |        | HR11116 (Lo-16bits)                      |
| HR11118          | AOUT2:mA Out Channel 1 Outputs now (T option 1)         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR11119          |                                                         |        |        | HR11118 (Lo-16bits)                      |
| HR11120          | AOUT2:mA Out Channel 2 Input Magnitude now (T option 2) | R      | 2      | FLOAT [-10000000...10000000] (Hi-16bits) |
| HR11121          |                                                         |        |        | HR11120 (Lo-16bits)                      |
| HR11122          | AOUT2:mA Out Channel 2 Outputs now (T option 2)         | R      | 2      | FLOAT [0...24] (Hi-16bits)               |
| HR11123          |                                                         |        |        | HR11122 (Lo-16bits)                      |
| HR11124          | VRG1:AVR tap control status                             | R      | 1      | 0=OK 1=Tap control failure               |
| HR11125          | VRG1:AVR Parallel/Independent status to mimic           | R      | 1      | 0=Parallel 1=Independent                 |

| Holding Register | Parameter                                      | Access | Length | Info                                               |
|------------------|------------------------------------------------|--------|--------|----------------------------------------------------|
| HR11126          | VRG1:AVR Follower&Master status to mimic       | R      | 1      | 0=Follower 1=Master                                |
| HR11127          | VRG1:AVR/block: Parallel communication failure | R      | 1      | 0=Communication OK 1=Communication failure         |
| HR11128          | VRG1:AVR/block: Tap differential failure       | R      | 1      | 0=Tap OK 1=Tap difference failure                  |
| HR11129          | VRG1:Hierarchy status to mimic                 | R      | 1      | 0=Master & follower 1=Circulating reactive current |
| HR11130          | VRG1:Auto/Manual status to mimic               | R      | 1      | 0=Auto 1=Manual                                    |
| HR11131          | VRG1:Relay in test mode                        | R      | 1      | 1=On 2=Blocked 3=Test 4=Test/Blocked 5=Off         |
| HR11132          | VRG1:Relay in test mode                        | R      | 1      | 1=On 2=Blocked 3=Test 4=Test/Blocked 5=Off         |
| HR11133          | VRG1:Relay in test mode                        | R      | 1      | 1=On 2=Blocked 3=Test 4=Test/Blocked 5=Off         |
| HR11134          | VRG1:Relay in test mode                        | R      | 1      | 1=On 2=Blocked 3=Test 4=Test/Blocked 5=Off         |
| HR11135          | VRG1:Relay in test mode                        | R      | 1      | 1=On 2=Blocked 3=Test 4=Test/Blocked 5=Off         |
| HR11136          | VRG1:Relay in test mode                        | R      | 1      | 1=On 2=Blocked 3=Test 4=Test/Blocked 5=Off         |
| HR11137          | VRG1:Relay in test mode                        | R      | 1      | 1=On 2=Blocked 3=Test 4=Test/Blocked 5=Off         |
| HR11138          | VRG1:Relay in test mode                        | R      | 1      | 1=On 2=Blocked 3=Test 4=Test/Blocked 5=Off         |
| HR11139          | VRG1:Relay in test mode                        | R      | 1      | 1=On 2=Blocked 3=Test 4=Test/Blocked 5=Off         |
| HR11140          | VRG1:Maximum tap raise position                | R      | 1      | 0=OK 1=Max. position                               |
| HR11141          | VRG1:Maximum tap raise position                | R      | 1      | 0=OK 1=Max. position                               |
| HR11142          | VRG1:Maximum tap raise position                | R      | 1      | 0=OK 1=Max. position                               |
| HR11143          | VRG1:Maximum tap raise position                | R      | 1      | 0=OK 1=Max. position                               |
| HR11144          | VRG1:Maximum tap raise position                | R      | 1      | 0=OK 1=Max. position                               |
| HR11145          | VRG1:Maximum tap raise position                | R      | 1      | 0=OK 1=Max. position                               |
| HR11146          | VRG1:Maximum tap raise position                | R      | 1      | 0=OK 1=Max. position                               |
| HR11147          | VRG1:Maximum tap raise position                | R      | 1      | 0=OK 1=Max. position                               |
| HR11148          | VRG1:Maximum tap raise position                | R      | 1      | 0=OK 1=Max. position                               |
| HR11149          | VRG1:Minimum tap lower position                | R      | 1      | 0=OK 1=Min. position                               |



| Holding Register | Parameter                                 | Access | Length | Info                         |
|------------------|-------------------------------------------|--------|--------|------------------------------|
| HR11150          | VRG1:Minimum tap lower position           | R      | 1      | 0=OK 1=Min. position         |
| HR11151          | VRG1:Minimum tap lower position           | R      | 1      | 0=OK 1=Min. position         |
| HR11152          | VRG1:Minimum tap lower position           | R      | 1      | 0=OK 1=Min. position         |
| HR11153          | VRG1:Minimum tap lower position           | R      | 1      | 0=OK 1=Min. position         |
| HR11154          | VRG1:Minimum tap lower position           | R      | 1      | 0=OK 1=Min. position         |
| HR11155          | VRG1:Minimum tap lower position           | R      | 1      | 0=OK 1=Min. position         |
| HR11156          | VRG1:Minimum tap lower position           | R      | 1      | 0=OK 1=Min. position         |
| HR11157          | VRG1:Minimum tap lower position           | R      | 1      | 0=OK 1=Min. position         |
| HR11158          | VRG1:Command with feedback (Tap position) | R      | 2      | FLOAT [-30...30] (Hi-16bits) |
| HR11159          |                                           |        |        | HR11158 (Lo-16bits)          |
| HR11160          | VRG1:Command with feedback (Tap position) | R      | 2      | FLOAT [-30...30] (Hi-16bits) |
| HR11161          |                                           |        |        | HR11160 (Lo-16bits)          |
| HR11162          | VRG1:Command with feedback (Tap position) | R      | 2      | FLOAT [-30...30] (Hi-16bits) |
| HR11163          |                                           |        |        | HR11162 (Lo-16bits)          |
| HR11164          | VRG1:Command with feedback (Tap position) | R      | 2      | FLOAT [-30...30] (Hi-16bits) |
| HR11165          |                                           |        |        | HR11164 (Lo-16bits)          |
| HR11166          | VRG1:Command with feedback (Tap position) | R      | 2      | FLOAT [-30...30] (Hi-16bits) |
| HR11167          |                                           |        |        | HR11166 (Lo-16bits)          |
| HR11168          | VRG1:Command with feedback (Tap position) | R      | 2      | FLOAT [-30...30] (Hi-16bits) |
| HR11169          |                                           |        |        | HR11168 (Lo-16bits)          |
| HR11170          | VRG1:Command with feedback (Tap position) | R      | 2      | FLOAT [-30...30] (Hi-16bits) |
| HR11171          |                                           |        |        | HR11170 (Lo-16bits)          |
| HR11172          | VRG1:Command with feedback (Tap position) | R      | 2      | FLOAT [-30...30] (Hi-16bits) |
| HR11173          |                                           |        |        | HR11172 (Lo-16bits)          |
| HR11174          | VRG1:Command with feedback (Tap position) | R      | 2      | FLOAT [-30...30] (Hi-16bits) |
| HR11175          |                                           |        |        | HR11174 (Lo-16bits)          |

| Holding Register | Parameter                  | Access | Length | Info                 |
|------------------|----------------------------|--------|--------|----------------------|
| HR11176          | VRG1:Health                | R      | 1      | 0=Ok 1=Fail          |
| HR11177          | VRG1:Health                | R      | 1      | 0=Ok 1=Fail          |
| HR11178          | VRG1:Health                | R      | 1      | 0=Ok 1=Fail          |
| HR11179          | VRG1:Health                | R      | 1      | 0=Ok 1=Fail          |
| HR11180          | VRG1:Health                | R      | 1      | 0=Ok 1=Fail          |
| HR11181          | VRG1:Health                | R      | 1      | 0=Ok 1=Fail          |
| HR11182          | VRG1:Health                | R      | 1      | 0=Ok 1=Fail          |
| HR11183          | VRG1:Health                | R      | 1      | 0=Ok 1=Fail          |
| HR11184          | VRG1:Health                | R      | 1      | 0=Ok 1=Fail          |
| HR11185          | VRG1:Automatic local block | R      | 1      | 0=Normal 1=Blocked   |
| HR11186          | VRG1:Automatic local block | R      | 1      | 0=Normal 1=Blocked   |
| HR11187          | VRG1:Automatic local block | R      | 1      | 0=Normal 1=Blocked   |
| HR11188          | VRG1:Automatic local block | R      | 1      | 0=Normal 1=Blocked   |
| HR11189          | VRG1:Automatic local block | R      | 1      | 0=Normal 1=Blocked   |
| HR11190          | VRG1:Automatic local block | R      | 1      | 0=Normal 1=Blocked   |
| HR11191          | VRG1:Automatic local block | R      | 1      | 0=Normal 1=Blocked   |
| HR11192          | VRG1:Automatic local block | R      | 1      | 0=Normal 1=Blocked   |
| HR11193          | VRG1:Automatic local block | R      | 1      | 0=Normal 1=Blocked   |
| HR11194          | VRG1:Operating Mode (Auto) | R      | 1      | 0=Automatic 1=Manual |
| HR11195          | VRG1:Operating Mode (Auto) | R      | 1      | 0=Automatic 1=Manual |
| HR11196          | VRG1:Operating Mode (Auto) | R      | 1      | 0=Automatic 1=Manual |
| HR11197          | VRG1:Operating Mode (Auto) | R      | 1      | 0=Automatic 1=Manual |
| HR11198          | VRG1:Operating Mode (Auto) | R      | 1      | 0=Automatic 1=Manual |
| HR11199          | VRG1:Operating Mode (Auto) | R      | 1      | 0=Automatic 1=Manual |
| HR11200          | VRG1:Operating Mode (Auto) | R      | 1      | 0=Automatic 1=Manual |
| HR11201          | VRG1:Operating Mode (Auto) | R      | 1      | 0=Automatic 1=Manual |
| HR11202          | VRG1:Operating Mode (Auto) | R      | 1      | 0=Automatic 1=Manual |
| HR11203          | VRG1:Parallel operation    | R      | 1      | 0=Single 1=Parallel  |
| HR11204          | VRG1:Parallel operation    | R      | 1      | 0=Single 1=Parallel  |
| HR11205          | VRG1:Parallel operation    | R      | 1      | 0=Single 1=Parallel  |

| Holding Register | Parameter                | Access | Length | Info                                               |
|------------------|--------------------------|--------|--------|----------------------------------------------------|
| HR11206          | VRG1:Parallel operation  | R      | 1      | 0=Single 1=Parallel                                |
| HR11207          | VRG1:Parallel operation  | R      | 1      | 0=Single 1=Parallel                                |
| HR11208          | VRG1:Parallel operation  | R      | 1      | 0=Single 1=Parallel                                |
| HR11209          | VRG1:Parallel operation  | R      | 1      | 0=Single 1=Parallel                                |
| HR11210          | VRG1:Parallel operation  | R      | 1      | 0=Single 1=Parallel                                |
| HR11211          | VRG1:Parallel operation  | R      | 1      | 0=Single 1=Parallel                                |
| HR11212          | VRG1:Status              | R      | 1      | 0=Follower 1=Leader                                |
| HR11213          | VRG1:Status              | R      | 1      | 0=Follower 1=Leader                                |
| HR11214          | VRG1:Status              | R      | 1      | 0=Follower 1=Leader                                |
| HR11215          | VRG1:Status              | R      | 1      | 0=Follower 1=Leader                                |
| HR11216          | VRG1:Status              | R      | 1      | 0=Follower 1=Leader                                |
| HR11217          | VRG1:Status              | R      | 1      | 0=Follower 1=Leader                                |
| HR11218          | VRG1:Status              | R      | 1      | 0=Follower 1=Leader                                |
| HR11219          | VRG1:Status              | R      | 1      | 0=Follower 1=Leader                                |
| HR11220          | VRG1:Status              | R      | 1      | 0=Follower 1=Leader                                |
| HR11221          | VRG1:Operation hierarchy | R      | 1      | 0=Leader & follower 1=Circulating reactive current |
| HR11222          | VRG1:Operation hierarchy | R      | 1      | 0=Leader & follower 1=Circulating reactive current |
| HR11223          | VRG1:Operation hierarchy | R      | 1      | 0=Leader & follower 1=Circulating reactive current |
| HR11224          | VRG1:Operation hierarchy | R      | 1      | 0=Leader & follower 1=Circulating reactive current |
| HR11225          | VRG1:Operation hierarchy | R      | 1      | 0=Leader & follower 1=Circulating reactive current |
| HR11226          | VRG1:Operation hierarchy | R      | 1      | 0=Leader & follower 1=Circulating reactive current |
| HR11227          | VRG1:Operation hierarchy | R      | 1      | 0=Leader & follower 1=Circulating reactive current |
| HR11228          | VRG1:Operation hierarchy | R      | 1      | 0=Leader & follower 1=Circulating reactive current |
| HR11229          | VRG1:Operation hierarchy | R      | 1      | 0=Leader & follower 1=Circulating reactive current |
| HR11230          | VRG1:Parallel group      | R      | 1      | 0=NA 1=1 2=2 3=3 4=4                               |
| HR11231          | VRG1:Parallel group      | R      | 1      | 0=NA 1=1 2=2 3=3 4=4                               |

| Holding Register | Parameter                          | Access | Length | Info                                     |
|------------------|------------------------------------|--------|--------|------------------------------------------|
| HR11232          | VRG1:Parallel group                | R      | 1      | 0=NA 1=1 2=2 3=3 4=4                     |
| HR11233          | VRG1:Parallel group                | R      | 1      | 0=NA 1=1 2=2 3=3 4=4                     |
| HR11234          | VRG1:Parallel group                | R      | 1      | 0=NA 1=1 2=2 3=3 4=4                     |
| HR11235          | VRG1:Parallel group                | R      | 1      | 0=NA 1=1 2=2 3=3 4=4                     |
| HR11236          | VRG1:Parallel group                | R      | 1      | 0=NA 1=1 2=2 3=3 4=4                     |
| HR11237          | VRG1:Parallel group                | R      | 1      | 0=NA 1=1 2=2 3=3 4=4                     |
| HR11238          | VRG1:Parallel group                | R      | 1      | 0=NA 1=1 2=2 3=3 4=4                     |
| HR11239          | VRG1:Local parallel transformer ID | R      | 1      | 0=NA 1=1 2=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 |
| HR11240          | VRG1:Local parallel transformer ID | R      | 1      | 0=NA 1=1 2=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 |
| HR11241          | VRG1:Local parallel transformer ID | R      | 1      | 0=NA 1=1 2=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 |
| HR11242          | VRG1:Local parallel transformer ID | R      | 1      | 0=NA 1=1 2=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 |
| HR11243          | VRG1:Local parallel transformer ID | R      | 1      | 0=NA 1=1 2=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 |
| HR11244          | VRG1:Local parallel transformer ID | R      | 1      | 0=NA 1=1 2=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 |
| HR11245          | VRG1:Local parallel transformer ID | R      | 1      | 0=NA 1=1 2=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 |
| HR11246          | VRG1:Local parallel transformer ID | R      | 1      | 0=NA 1=1 2=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 |
| HR11247          | VRG1:Local parallel transformer ID | R      | 1      | 0=NA 1=1 2=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 |
| HR11248          | VRG1:Tap voltage                   | R      | 2      | FLOAT [0...250] (Hi-16bits)              |
| HR11249          |                                    |        |        | HR11248 (Lo-16bits)                      |
| HR11250          | VRG1:Tap voltage                   | R      | 2      | FLOAT [0...250] (Hi-16bits)              |
| HR11251          |                                    |        |        | HR11250 (Lo-16bits)                      |
| HR11252          | VRG1:Tap voltage                   | R      | 2      | FLOAT [0...250] (Hi-16bits)              |
| HR11253          |                                    |        |        | HR11252 (Lo-16bits)                      |
| HR11254          | VRG1:Tap voltage                   | R      | 2      | FLOAT [0...250] (Hi-16bits)              |
| HR11255          |                                    |        |        | HR11254 (Lo-16bits)                      |
| HR11256          | VRG1:Tap voltage                   | R      | 2      | FLOAT [0...250] (Hi-16bits)              |
| HR11257          |                                    |        |        | HR11256 (Lo-16bits)                      |

| Holding Register | Parameter                  | Access | Length | Info                         |
|------------------|----------------------------|--------|--------|------------------------------|
| HR11258          | VRG1:Tap voltage           | R      | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR11259          |                            |        |        | HR11258 (Lo-16bits)          |
| HR11260          | VRG1:Tap voltage           | R      | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR11261          |                            |        |        | HR11260 (Lo-16bits)          |
| HR11262          | VRG1:Tap voltage           | R      | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR11263          |                            |        |        | HR11262 (Lo-16bits)          |
| HR11264          | VRG1:Tap voltage           | R      | 2      | FLOAT [0...250] (Hi-16bits)  |
| HR11265          |                            |        |        | HR11264 (Lo-16bits)          |
| HR11266          | VRG1:Local reactance X1    | R      | 2      | FLOAT [0...500] (Hi-16bits)  |
| HR11267          |                            |        |        | HR11266 (Lo-16bits)          |
| HR11268          | VRG1:Local reactance X1    | R      | 2      | FLOAT [0...500] (Hi-16bits)  |
| HR11269          |                            |        |        | HR11268 (Lo-16bits)          |
| HR11270          | VRG1:Local reactance X1    | R      | 2      | FLOAT [0...500] (Hi-16bits)  |
| HR11271          |                            |        |        | HR11270 (Lo-16bits)          |
| HR11272          | VRG1:Local reactance X1    | R      | 2      | FLOAT [0...500] (Hi-16bits)  |
| HR11273          |                            |        |        | HR11272 (Lo-16bits)          |
| HR11274          | VRG1:Local reactance X1    | R      | 2      | FLOAT [0...500] (Hi-16bits)  |
| HR11275          |                            |        |        | HR11274 (Lo-16bits)          |
| HR11276          | VRG1:Local reactance X1    | R      | 2      | FLOAT [0...500] (Hi-16bits)  |
| HR11277          |                            |        |        | HR11276 (Lo-16bits)          |
| HR11278          | VRG1:Local reactance X1    | R      | 2      | FLOAT [0...500] (Hi-16bits)  |
| HR11279          |                            |        |        | HR11278 (Lo-16bits)          |
| HR11280          | VRG1:Local reactance X1    | R      | 2      | FLOAT [0...500] (Hi-16bits)  |
| HR11281          |                            |        |        | HR11280 (Lo-16bits)          |
| HR11282          | VRG1:Local reactance X1    | R      | 2      | FLOAT [0...500] (Hi-16bits)  |
| HR11283          |                            |        |        | HR11282 (Lo-16bits)          |
| HR11284          | VRG1:Local load current I1 | R      | 2      | FLOAT [0...1250] (Hi-16bits) |
| HR11285          |                            |        |        | HR11284 (Lo-16bits)          |
| HR11286          | VRG1:Local load current I1 | R      | 2      | FLOAT [0...1250] (Hi-16bits) |
| HR11287          |                            |        |        | HR11286 (Lo-16bits)          |

| Holding Register | Parameter                        | Access | Length | Info                           |
|------------------|----------------------------------|--------|--------|--------------------------------|
| HR11288          | VRG1:Local load current I1       | R      | 2      | FLOAT [0...1250] (Hi-16bits)   |
| HR11289          |                                  |        |        | HR11288 (Lo-16bits)            |
| HR11290          | VRG1:Local load current I1       | R      | 2      | FLOAT [0...1250] (Hi-16bits)   |
| HR11291          |                                  |        |        | HR11290 (Lo-16bits)            |
| HR11292          | VRG1:Local load current I1       | R      | 2      | FLOAT [0...1250] (Hi-16bits)   |
| HR11293          |                                  |        |        | HR11292 (Lo-16bits)            |
| HR11294          | VRG1:Local load current I1       | R      | 2      | FLOAT [0...1250] (Hi-16bits)   |
| HR11295          |                                  |        |        | HR11294 (Lo-16bits)            |
| HR11296          | VRG1:Local load current I1       | R      | 2      | FLOAT [0...1250] (Hi-16bits)   |
| HR11297          |                                  |        |        | HR11296 (Lo-16bits)            |
| HR11298          | VRG1:Local load current I1       | R      | 2      | FLOAT [0...1250] (Hi-16bits)   |
| HR11299          |                                  |        |        | HR11298 (Lo-16bits)            |
| HR11300          | VRG1:Local load current I1       | R      | 2      | FLOAT [0...1250] (Hi-16bits)   |
| HR11301          |                                  |        |        | HR11300 (Lo-16bits)            |
| HR11302          | VRG1:Local load current I1 angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11303          |                                  |        |        | HR11302 (Lo-16bits)            |
| HR11304          | VRG1:Local load current I1 angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11305          |                                  |        |        | HR11304 (Lo-16bits)            |
| HR11306          | VRG1:Local load current I1 angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11307          |                                  |        |        | HR11306 (Lo-16bits)            |
| HR11308          | VRG1:Local load current I1 angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11309          |                                  |        |        | HR11308 (Lo-16bits)            |
| HR11310          | VRG1:Local load current I1 angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11311          |                                  |        |        | HR11310 (Lo-16bits)            |
| HR11312          | VRG1:Local load current I1 angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11313          |                                  |        |        | HR11312 (Lo-16bits)            |
| HR11314          | VRG1:Local load current I1 angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11315          |                                  |        |        | HR11314 (Lo-16bits)            |
| HR11316          | VRG1:Local load current I1 angle | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11317          |                                  |        |        | HR11316 (Lo-16bits)            |

| Holding Register | Parameter                        | Access | Length | Info                                                                                                                                                                                                                |
|------------------|----------------------------------|--------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR11318          | VRG1:Local load current I1 angle | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                                                                                                                                                      |
| HR11319          |                                  |        |        | HR11318 (Lo-16bits)                                                                                                                                                                                                 |
| HR11320          | VRG1:Leader command              | R      | 1      | 0=Normal 1=Lower 2=Raise                                                                                                                                                                                            |
| HR11321          | VRG1:Leader command              | R      | 1      | 0=Normal 1=Lower 2=Raise                                                                                                                                                                                            |
| HR11322          | VRG1:Leader command              | R      | 1      | 0=Normal 1=Lower 2=Raise                                                                                                                                                                                            |
| HR11323          | VRG1:Leader command              | R      | 1      | 0=Normal 1=Lower 2=Raise                                                                                                                                                                                            |
| HR11324          | VRG1:Leader command              | R      | 1      | 0=Normal 1=Lower 2=Raise                                                                                                                                                                                            |
| HR11325          | VRG1:Leader command              | R      | 1      | 0=Normal 1=Lower 2=Raise                                                                                                                                                                                            |
| HR11326          | VRG1:Leader command              | R      | 1      | 0=Normal 1=Lower 2=Raise                                                                                                                                                                                            |
| HR11327          | VRG1:Leader command              | R      | 1      | 0=Normal 1=Lower 2=Raise                                                                                                                                                                                            |
| HR11328          | VRG1:Leader command              | R      | 1      | 0=Normal 1=Lower 2=Raise                                                                                                                                                                                            |
| HR11329          | VRG1:ParallelTransfModeKind      | R      | 1      | 1=No Mode predefined 2=Master<br>3=Follower 4=Power Factor 5=Negative<br>Reactance 6=Circulating Current<br>7=Circulating Reactive Current (var<br>balancing) 8=Circulating Reactive Current<br>by equalizing power |
| HR11330          | COL1:ICOL> [49OL] condition      | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                                                                                                                   |
| HR11331          | COL2:ICOL>> [49OL] condition     | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked                                                                                                                                                                                   |
| HR11332          | CNU1:CNU> [50UB] condition       | R      | 1      | 0=Normal 1=Alarm Start 2=Alarm On<br>3=Trip Start 4=Trip On 5=Blocked On                                                                                                                                            |
| HR11333          | ASC1:Curve5 Input                | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                              |
| HR11334          |                                  |        |        | HR11333 (Lo-16bits)                                                                                                                                                                                                 |
| HR11335          | ASC1:Curve5 Output               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                              |
| HR11336          |                                  |        |        | HR11335 (Lo-16bits)                                                                                                                                                                                                 |
| HR11337          | ASC1:Curve6 Input                | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                              |
| HR11338          |                                  |        |        | HR11337 (Lo-16bits)                                                                                                                                                                                                 |
| HR11339          | ASC1:Curve6 Output               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                              |
| HR11340          |                                  |        |        | HR11339 (Lo-16bits)                                                                                                                                                                                                 |
| HR11341          | ASC1:Curve7 Input                | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                              |
| HR11342          |                                  |        |        | HR11341 (Lo-16bits)                                                                                                                                                                                                 |
| HR11343          | ASC1:Curve7 Output               | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits)                                                                                                                                                                              |
| HR11344          |                                  |        |        | HR11343 (Lo-16bits)                                                                                                                                                                                                 |

| Holding Register | Parameter                | Access | Length | Info                                   |
|------------------|--------------------------|--------|--------|----------------------------------------|
| HR11345          | ASC1:Curve8 Input        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR11346          |                          |        |        | HR11345 (Lo-16bits)                    |
| HR11347          | ASC1:Curve8 Output       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR11348          |                          |        |        | HR11347 (Lo-16bits)                    |
| HR11349          | ASC1:Curve9 Input        | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR11350          |                          |        |        | HR11349 (Lo-16bits)                    |
| HR11351          | ASC1:Curve9 Output       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR11352          |                          |        |        | HR11351 (Lo-16bits)                    |
| HR11353          | ASC1:Curve10 Input       | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR11354          |                          |        |        | HR11353 (Lo-16bits)                    |
| HR11355          | ASC1:Curve10 Output      | R      | 2      | FLOAT [-1000000...1000000] (Hi-16bits) |
| HR11356          |                          |        |        | HR11355 (Lo-16bits)                    |
| HR11357          | TOLM1:TM> inhibit status | R      | 1      | 0=Normal 1=Inhibit                     |
| HR11358          | LDIF1:L1 Bias current    | R      | 2      | FLOAT [0...50] (Hi-16bits)             |
| HR11359          |                          |        |        | HR11358 (Lo-16bits)                    |
| HR11360          | LDIF1:L1 Diff current    | R      | 2      | FLOAT [0...4000] (Hi-16bits)           |
| HR11361          |                          |        |        | HR11360 (Lo-16bits)                    |
| HR11362          | LDIF1:L1 Char current    | R      | 2      | FLOAT [0...4000] (Hi-16bits)           |
| HR11363          |                          |        |        | HR11362 (Lo-16bits)                    |
| HR11364          | LDIF1:L2 Bias current    | R      | 2      | FLOAT [0...50] (Hi-16bits)             |
| HR11365          |                          |        |        | HR11364 (Lo-16bits)                    |
| HR11366          | LDIF1:L2 Diff current    | R      | 2      | FLOAT [0...4000] (Hi-16bits)           |
| HR11367          |                          |        |        | HR11366 (Lo-16bits)                    |
| HR11368          | LDIF1:L2 Char current    | R      | 2      | FLOAT [0...4000] (Hi-16bits)           |
| HR11369          |                          |        |        | HR11368 (Lo-16bits)                    |
| HR11370          | LDIF1:L3 Bias current    | R      | 2      | FLOAT [0...50] (Hi-16bits)             |
| HR11371          |                          |        |        | HR11370 (Lo-16bits)                    |
| HR11372          | LDIF1:L3 Diff current    | R      | 2      | FLOAT [0...4000] (Hi-16bits)           |
| HR11373          |                          |        |        | HR11372 (Lo-16bits)                    |
| HR11374          | LDIF1:L3 Char current    | R      | 2      | FLOAT [0...4000] (Hi-16bits)           |



| Holding Register | Parameter                                 | Access | Length | Info                           |
|------------------|-------------------------------------------|--------|--------|--------------------------------|
| HR11375          |                                           |        |        | HR11374 (Lo-16bits)            |
| HR11376          | LDIF1:IL1 magnitude Local                 | R      | 2      | FLOAT [0...50] (Hi-16bits)     |
| HR11377          |                                           |        |        | HR11376 (Lo-16bits)            |
| HR11378          | LDIF1:IL2 magnitude Local                 | R      | 2      | FLOAT [0...50] (Hi-16bits)     |
| HR11379          |                                           |        |        | HR11378 (Lo-16bits)            |
| HR11380          | LDIF1:IL3 magnitude Local                 | R      | 2      | FLOAT [0...50] (Hi-16bits)     |
| HR11381          |                                           |        |        | HR11380 (Lo-16bits)            |
| HR11382          | LDIF1:IL1 angle Local                     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11383          |                                           |        |        | HR11382 (Lo-16bits)            |
| HR11384          | LDIF1:IL2 angle Local                     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11385          |                                           |        |        | HR11384 (Lo-16bits)            |
| HR11386          | LDIF1:IL3 angle Local                     | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11387          |                                           |        |        | HR11386 (Lo-16bits)            |
| HR11388          | LDIF1:IL1 magnitude Remote1               | R      | 2      | FLOAT [0...50] (Hi-16bits)     |
| HR11389          |                                           |        |        | HR11388 (Lo-16bits)            |
| HR11390          | LDIF1:IL2 magnitude Remote1               | R      | 2      | FLOAT [0...50] (Hi-16bits)     |
| HR11391          |                                           |        |        | HR11390 (Lo-16bits)            |
| HR11392          | LDIF1:IL3 magnitude Remote1               | R      | 2      | FLOAT [0...50] (Hi-16bits)     |
| HR11393          |                                           |        |        | HR11392 (Lo-16bits)            |
| HR11394          | LDIF1:IL1 angle Remote1                   | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11395          |                                           |        |        | HR11394 (Lo-16bits)            |
| HR11396          | LDIF1:IL2 angle Remote1                   | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11397          |                                           |        |        | HR11396 (Lo-16bits)            |
| HR11398          | LDIF1:IL3 angle Remote1                   | R      | 2      | FLOAT [-360...360] (Hi-16bits) |
| HR11399          |                                           |        |        | HR11398 (Lo-16bits)            |
| HR11400          | LDIF1:IL1 magnitude difference to Remote1 | R      | 2      | FLOAT [0...50] (Hi-16bits)     |
| HR11401          |                                           |        |        | HR11400 (Lo-16bits)            |
| HR11402          | LDIF1:IL2 magnitude difference to Remote1 | R      | 2      | FLOAT [0...50] (Hi-16bits)     |
| HR11403          |                                           |        |        | HR11402 (Lo-16bits)            |

| Holding Register | Parameter                                 | Access | Length | Info                                                                                 |
|------------------|-------------------------------------------|--------|--------|--------------------------------------------------------------------------------------|
| HR11404          | LDIF1:IL3 magnitude difference to Remote1 | R      | 2      | FLOAT [0...50] (Hi-16bits)                                                           |
| HR11405          |                                           |        |        | HR11404 (Lo-16bits)                                                                  |
| HR11406          | LDIF1:IL1 angle difference to Remote1     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                       |
| HR11407          |                                           |        |        | HR11406 (Lo-16bits)                                                                  |
| HR11408          | LDIF1:IL2 angle difference to Remote1     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                       |
| HR11409          |                                           |        |        | HR11408 (Lo-16bits)                                                                  |
| HR11410          | LDIF1:IL3 angle difference to Remote1     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                       |
| HR11411          |                                           |        |        | HR11410 (Lo-16bits)                                                                  |
| HR11412          | LDIF1:Remote signals angle corrected      | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                       |
| HR11413          |                                           |        |        | HR11412 (Lo-16bits)                                                                  |
| HR11414          | LDIF1:Operating Mode                      | R      | 1      | 0=Following Master Settings                                                          |
| HR11415          | LDIF1:Differential calculation mode       | R      | 1      | 0=Subtract 1=Add                                                                     |
| HR11416          | LDIF1:Bias calculation mode               | R      | 1      | 0=Average 1=Maximum                                                                  |
| HR11417          | LDIF1:ldb> Pickup                         | R      | 2      | FLOAT [0.01...100] (Hi-16bits)                                                       |
| HR11418          |                                           |        |        | HR11417 (Lo-16bits)                                                                  |
| HR11419          | LDIF1:ldb> Turnpoint 1                    | R      | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR11420          |                                           |        |        | HR11419 (Lo-16bits)                                                                  |
| HR11421          | LDIF1:ldb> Slope 1                        | R      | 2      | FLOAT [0.01...250] (Hi-16bits)                                                       |
| HR11422          |                                           |        |        | HR11421 (Lo-16bits)                                                                  |
| HR11423          | LDIF1:ldb> Turnpoint 2                    | R      | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR11424          |                                           |        |        | HR11423 (Lo-16bits)                                                                  |
| HR11425          | LDIF1:ldb> Slope 2                        | R      | 2      | FLOAT [0.01...250] (Hi-16bits)                                                       |
| HR11426          |                                           |        |        | HR11425 (Lo-16bits)                                                                  |
| HR11427          | LDIF1:Enable harmonic blocking            | R      | 1      | 0=No harmonic blocking 1=2nd. harm.block. 2=5th.harm.block. 3=2nd.and 5th.harm.block |
| HR11428          | LDIF1:2nd harm block Pickup               | R      | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR11429          |                                           |        |        | HR11428 (Lo-16bits)                                                                  |
| HR11430          | LDIF1:5th harm block Pickup               | R      | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |

| Holding Register | Parameter                         | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|-----------------------------------|--------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR11431          |                                   |        |        | HR11430 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HR11432          | LDIF1:Enable Idi> stage (nonbias) | R      | 1      | 0=Disabled 1=Enabled                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HR11433          | LDIF1:Idi> No bias Pickup         | R      | 2      | FLOAT [200...1500] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HR11434          |                                   |        |        | HR11433 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HR11435          | LDIF1:IdLb> BIAS TRIP             | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11436          |                                   |        |        | HR11435 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HR11437          | LDIF1:IdLb> BIAS BLOCKED          | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11438          |                                   |        |        | HR11437 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HR11439          | LDIF1:IdLi> NOBIAS TRIP           | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11440          |                                   |        |        | HR11439 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HR11441          | LDIF1:IdLi> NOBIAS BLOCKED        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11442          |                                   |        |        | HR11441 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HR11443          | LDIF1:IdL> 2nd harm. block on     | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11444          |                                   |        |        | HR11443 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HR11445          | LDIF1:IdL> 5th harm. block on     | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11446          |                                   |        |        | HR11445 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HR11447          | LDIF1:Master node status          | R      | 2      | 0b=Master node 1b=System Running<br>2b=Protection Operational 3b=System rebooting 4b=Configuring Id> suspended<br>5b=Biased diff blocked 6b=Instant diff blocked 7b=Phase A harm blk. 8b=Phase B harm blk. 9b=Phase C harm blk.<br>10b=LineDiff Enabled 11b=LineDiff Halted 12b=Bias Trip 13b=Instant Trip<br>14b=Remote1 halted 15b=Communication Ok 16b=Communication fail 17b=Object1 Open 18b=Object1 Closed 19b=Obj1 Open Cmd. 20b=Obj1 Close Cmd. 21b=Sub sampling f control (Hi-16bits) |
| HR11448          |                                   |        |        | HR11447 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Holding Register | Parameter                            | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------|--------------------------------------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR11449          | LDIF1:Local node status              | R      | 2      | 0b=Master node 1b=System Running<br>2b=Protection Operational 3b=System rebooting 4b=Configuring Id> suspended<br>5b=Biased diff blocked 6b=Instant diff blocked 7b=Phase A harm blk. 8b=Phase B harm blk. 9b=Phase C harm blk.<br>10b=LineDiff Enabled 11b=LineDiff Halted 12b=Bias Trip 13b=Instant Trip<br>14b=Remote1 halted 15b=Communication Ok 16b=Communication fail 17b=Object1 Open 18b=Object1 Closed 19b=Obj1 Open Cmd. 20b=Obj1 Close Cmd. 21b=f sample follows master (Hi-16bits) |
| HR11450          |                                      |        |        | HR11449 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HR11451          | LDIF1:Remote node 1 status           | R      | 2      | 0b=Master node 1b=System Running<br>2b=Protection Operational 3b=System rebooting 4b=Configuring Id> suspended<br>5b=Biased diff blocked 6b=Instant diff blocked 7b=Phase A harm blk. 8b=Phase B harm blk. 9b=Phase C harm blk.<br>10b=LineDiff Enabled 11b=LineDiff Halted 12b=Bias Trip 13b=Instant Trip<br>14b=Remote1 halted 15b=Communication Ok 16b=Communication fail 17b=Object1 Open 18b=Object1 Closed 19b=Obj1 Open Cmd. 20b=Obj1 Close Cmd. 21b=f sample follows master (Hi-16bits) |
| HR11452          |                                      |        |        | HR11451 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HR11453          | SYN1:SYN2 Estimated BRK Closing time | R      | 2      | FLOAT [0...360] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| HR11454          |                                      |        |        | HR11453 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HR11455          | SYN1:SYN2 Networks rotating time     | R      | 2      | FLOAT [0...360] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| HR11456          |                                      |        |        | HR11455 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HR11457          | SYN1:SYN2 Networks placement atm     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HR11458          |                                      |        |        | HR11457 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HR11459          | SYN1:SYN3 Estimated BRK Closing time | R      | 2      | FLOAT [0...360] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| HR11460          |                                      |        |        | HR11459 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HR11461          | SYN1:SYN3 Networks rotating time     | R      | 2      | FLOAT [0...360] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| HR11462          |                                      |        |        | HR11461 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| HR11463          | SYN1:SYN3 Networks placement atm     | R      | 2      | FLOAT [-360...360] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HR11464          |                                      |        |        | HR11463 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Holding Register | Parameter                      | Access | Length | Info                                                             |
|------------------|--------------------------------|--------|--------|------------------------------------------------------------------|
| HR11465          | DMA1:Demand condition          | R      | 1      | 0=Normal 1=Alarm 2=Blocked                                       |
| HR11466          | CTRL:Local/Remote status       | R      | 1      | 0=Remote 1=Local                                                 |
| HR11467          | TOLT1:TT> inhibit status       | R      | 1      | 0=Normal 1=Inhibit                                               |
| HR11468          | TOLF1:TF> inhibit status       | R      | 1      | 0=Normal 1=Inhibit                                               |
| HR11469          | OBJ1:Object1 Withdraw Status   | R      | 1      | 0=WDIntermediate 1=WDCartOut<br>2=WDCart In 3=WDBad 4=Not in use |
| HR11470          | OBJ2:Object2 Withdraw Status   | R      | 1      | 0=WDIntermediate 1=WDCartOut<br>2=WDCart In 3=WDBad 4=Not in use |
| HR11471          | OBJ3:Object3 Withdraw Status   | R      | 1      | 0=WDIntermediate 1=WDCartOut<br>2=WDCart In 3=WDBad 4=Not in use |
| HR11472          | OBJ4:Object4 Withdraw Status   | R      | 1      | 0=WDIntermediate 1=WDCartOut<br>2=WDCart In 3=WDBad 4=Not in use |
| HR11473          | OBJ5:Object5 Withdraw Status   | R      | 1      | 0=WDIntermediate 1=WDCartOut<br>2=WDCart In 3=WDBad 4=Not in use |
| HR11474          | OBJ6:Object6 Withdraw Status   | R      | 1      | 0=WDIntermediate 1=WDCartOut<br>2=WDCart In 3=WDBad 4=Not in use |
| HR11475          | OBJ7:Object7 Withdraw Status   | R      | 1      | 0=WDIntermediate 1=WDCartOut<br>2=WDCart In 3=WDBad 4=Not in use |
| HR11476          | OBJ8:Object8 Withdraw Status   | R      | 1      | 0=WDIntermediate 1=WDCartOut<br>2=WDCart In 3=WDBad 4=Not in use |
| HR11477          | OBJ9:Object9 Withdraw Status   | R      | 1      | 0=WDIntermediate 1=WDCartOut<br>2=WDCart In 3=WDBad 4=Not in use |
| HR11478          | OBJ10:Object10 Withdraw Status | R      | 1      | 0=WDIntermediate 1=WDCartOut<br>2=WDCart In 3=WDBad 4=Not in use |
| HR11479          | GSYN:Synchronizing by          | R(W)   | 1      | 0=System voltages to U3/U4 Input<br>1=Between U3/U4 Input        |
| HR11480          | PFC1:Target power factor       | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)                                       |
| HR11481          |                                |        |        | HR11480 (Lo-16bits)                                              |
| HR11482          | PFC1:Target power factor       | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)                                       |
| HR11483          |                                |        |        | HR11482 (Lo-16bits)                                              |
| HR11484          | PFC1:Target power factor       | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)                                       |
| HR11485          |                                |        |        | HR11484 (Lo-16bits)                                              |
| HR11486          | PFC1:Target power factor       | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)                                       |
| HR11487          |                                |        |        | HR11486 (Lo-16bits)                                              |
| HR11488          | PFC1:Target power factor       | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)                                       |
| HR11489          |                                |        |        | HR11488 (Lo-16bits)                                              |

| Holding Register | Parameter                              | Access | Length | Info                          |
|------------------|----------------------------------------|--------|--------|-------------------------------|
| HR11490          | PFC1:Target power factor               | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)    |
| HR11491          |                                        |        |        | HR11490 (Lo-16bits)           |
| HR11492          | PFC1:Target power factor               | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)    |
| HR11493          |                                        |        |        | HR11492 (Lo-16bits)           |
| HR11494          | PFC1:Target power factor               | R(W)   | 2      | FLOAT [-1...1] (Hi-16bits)    |
| HR11495          |                                        |        |        | HR11494 (Lo-16bits)           |
| HR11496          | PFC1:Bank size for deltaQ calculation  | R(W)   | 2      | FLOAT [1...50000] (Hi-16bits) |
| HR11497          |                                        |        |        | HR11496 (Lo-16bits)           |
| HR11498          | PFC1:Bank size for deltaQ calculation  | R(W)   | 2      | FLOAT [1...50000] (Hi-16bits) |
| HR11499          |                                        |        |        | HR11498 (Lo-16bits)           |
| HR11500          | PFC1:Bank size for deltaQ calculation  | R(W)   | 2      | FLOAT [1...50000] (Hi-16bits) |
| HR11501          |                                        |        |        | HR11500 (Lo-16bits)           |
| HR11502          | PFC1:Bank size for deltaQ calculation  | R(W)   | 2      | FLOAT [1...50000] (Hi-16bits) |
| HR11503          |                                        |        |        | HR11502 (Lo-16bits)           |
| HR11504          | PFC1:Bank size for deltaQ calculation  | R(W)   | 2      | FLOAT [1...50000] (Hi-16bits) |
| HR11505          |                                        |        |        | HR11504 (Lo-16bits)           |
| HR11506          | PFC1:Bank size for deltaQ calculation  | R(W)   | 2      | FLOAT [1...50000] (Hi-16bits) |
| HR11507          |                                        |        |        | HR11506 (Lo-16bits)           |
| HR11508          | PFC1:Bank size for deltaQ calculation  | R(W)   | 2      | FLOAT [1...50000] (Hi-16bits) |
| HR11509          |                                        |        |        | HR11508 (Lo-16bits)           |
| HR11510          | PFC1:Bank size for deltaQ calculation  | R(W)   | 2      | FLOAT [1...50000] (Hi-16bits) |
| HR11511          |                                        |        |        | HR11510 (Lo-16bits)           |
| HR11512          | PFC1:More capacitance +kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits)   |
| HR11513          |                                        |        |        | HR11512 (Lo-16bits)           |
| HR11514          | PFC1:More capacitance +kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits)   |

| Holding Register | Parameter                              | Access | Length | Info                        |
|------------------|----------------------------------------|--------|--------|-----------------------------|
| HR11515          |                                        |        |        | HR11514 (Lo-16bits)         |
| HR11516          | PFC1:More capacitance +kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11517          |                                        |        |        | HR11516 (Lo-16bits)         |
| HR11518          | PFC1:More capacitance +kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11519          |                                        |        |        | HR11518 (Lo-16bits)         |
| HR11520          | PFC1:More capacitance +kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11521          |                                        |        |        | HR11520 (Lo-16bits)         |
| HR11522          | PFC1:More capacitance +kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11523          |                                        |        |        | HR11522 (Lo-16bits)         |
| HR11524          | PFC1:More capacitance +kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11525          |                                        |        |        | HR11524 (Lo-16bits)         |
| HR11526          | PFC1:More capacitance +kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11527          |                                        |        |        | HR11526 (Lo-16bits)         |
| HR11528          | PFC1:Less capacitance -kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11529          |                                        |        |        | HR11528 (Lo-16bits)         |
| HR11530          | PFC1:Less capacitance -kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11531          |                                        |        |        | HR11530 (Lo-16bits)         |
| HR11532          | PFC1:Less capacitance -kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11533          |                                        |        |        | HR11532 (Lo-16bits)         |
| HR11534          | PFC1:Less capacitance -kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11535          |                                        |        |        | HR11534 (Lo-16bits)         |
| HR11536          | PFC1:Less capacitance -kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |
| HR11537          |                                        |        |        | HR11536 (Lo-16bits)         |
| HR11538          | PFC1:Less capacitance -kVAr percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits) |

| Holding Register | Parameter                              | Access | Length | Info                            |
|------------------|----------------------------------------|--------|--------|---------------------------------|
| HR11539          |                                        |        |        | HR11538 (Lo-16bits)             |
| HR11540          | PFC1:Less capacitance -kVAR percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits)     |
| HR11541          |                                        |        |        | HR11540 (Lo-16bits)             |
| HR11542          | PFC1:Less capacitance -kVAR percentage | R(W)   | 2      | FLOAT [1...100] (Hi-16bits)     |
| HR11543          |                                        |        |        | HR11542 (Lo-16bits)             |
| HR11544          | VRG1:AVR T1 tap voltage                | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11545          |                                        |        |        | HR11544 (Lo-16bits)             |
| HR11546          | VRG1:AVR T2 tap voltage                | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11547          |                                        |        |        | HR11546 (Lo-16bits)             |
| HR11548          | VRG1:AVR T3 tap voltage                | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11549          |                                        |        |        | HR11548 (Lo-16bits)             |
| HR11550          | VRG1:AVR T4 tap voltage                | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11551          |                                        |        |        | HR11550 (Lo-16bits)             |
| HR11552          | VRG1:AVR running status to mimic       | R      | 1      | 0=AVR not running 1=AVR running |
| HR11553          | VRG1:Tap voltage level                 | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11554          |                                        |        |        | HR11553 (Lo-16bits)             |
| HR11555          | VRG1:Tap voltage level                 | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11556          |                                        |        |        | HR11555 (Lo-16bits)             |
| HR11557          | VRG1:Tap voltage level                 | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11558          |                                        |        |        | HR11557 (Lo-16bits)             |
| HR11559          | VRG1:Tap voltage level                 | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11560          |                                        |        |        | HR11559 (Lo-16bits)             |
| HR11561          | VRG1:Tap voltage level                 | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11562          |                                        |        |        | HR11561 (Lo-16bits)             |
| HR11563          | VRG1:Tap voltage level                 | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11564          |                                        |        |        | HR11563 (Lo-16bits)             |
| HR11565          | VRG1:Tap voltage level                 | R      | 2      | FLOAT [0...250] (Hi-16bits)     |
| HR11566          |                                        |        |        | HR11565 (Lo-16bits)             |
| HR11567          | VRG1:Tap voltage level                 | R      | 2      | FLOAT [0...250] (Hi-16bits)     |



| Holding Register | Parameter                       | Access | Length | Info                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------|---------------------------------|--------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR11568          |                                 |        |        | HR11567 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11569          | VRG1:Tap voltage level          | R      | 2      | FLOAT [0...250] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| HR11570          |                                 |        |        | HR11569 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11571          | HSOC:HSO card output status     | R      | 2      | 0b=HSO1 1b=HSO2 2b=HSO3 3b=HSO4<br>4b=HSO5 5b=HSO6 6b=HSO7 7b=HSO8<br>8b=HSO9 (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HR11572          |                                 |        |        | HR11571 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11573          | DIAG:Diagnostic alarm status    | R      | 2      | 0b=Temp. out of range 1b=Voltage out of range<br>2b=HW configuration invalid 3b=Relay output failure<br>4b=Option card A alarm 5b=Option card B alarm<br>6b=Option card C alarm 7b=Option card D alarm<br>8b=Option card E alarm 9b=Option card F alarm<br>10b=Safe setting mode active 11b=System overload<br>12b=GOOSE simulation enabled 13b=Device/LN mode not On<br>14b=UAC password issue 15b=Audit logging failed<br>16b=Option card K alarm 17b=Option card L alarm<br>18b=Option card M alarm 19b=Option card N alarm (Hi-16bits) |
| HR11574          |                                 |        |        | HR11573 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11575          | IRF:Internal Relay Fault status | R      | 2      | 0b=Storage error 1b=Logic file missing<br>2b=Aquisition unit error 3b=Measurement config error<br>4b=Relay hardware setup error 5b=System overload error<br>6b=Not configured yet 7b=Firmware upgrade done<br>8b=Slot supervision error 9b=Software inconsistency error<br>10b=Event overload (Hi-16bits)                                                                                                                                                                                                                                  |
| HR11576          |                                 |        |        | HR11575 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11577          | LVRT1:LVRT [27T] mode           | R(W)   | 1      | 0=Disabled 1=Activated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| HR11578          | LVRT1:LVRT condition            | R      | 1      | 0=Normal 1=Start 2=Trip 3=Blocked<br>4=Undervolt Blk On                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HR11579          | LVRT1:Fault start<              | R(W)   | 2      | FLOAT [50...120] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HR11580          |                                 |        |        | HR11579 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11581          | LVRT1:Fault start<              | R(W)   | 2      | FLOAT [50...120] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HR11582          |                                 |        |        | HR11581 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11583          | LVRT1:Fault start<              | R(W)   | 2      | FLOAT [50...120] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HR11584          |                                 |        |        | HR11583 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HR11585          | LVRT1:Fault start<              | R(W)   | 2      | FLOAT [50...120] (Hi-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HR11586          |                                 |        |        | HR11585 (Lo-16bits)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| Holding Register | Parameter                     | Access | Length | Info                         |
|------------------|-------------------------------|--------|--------|------------------------------|
| HR11587          | LVRT1:Fault start<            | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11588          |                               |        |        | HR11587 (Lo-16bits)          |
| HR11589          | LVRT1:Fault start<            | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11590          |                               |        |        | HR11589 (Lo-16bits)          |
| HR11591          | LVRT1:Fault start<            | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11592          |                               |        |        | HR11591 (Lo-16bits)          |
| HR11593          | LVRT1:Fault start<            | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11594          |                               |        |        | HR11593 (Lo-16bits)          |
| HR11595          | LVRT1:Fault release>          | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11596          |                               |        |        | HR11595 (Lo-16bits)          |
| HR11597          | LVRT1:Fault release>          | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11598          |                               |        |        | HR11597 (Lo-16bits)          |
| HR11599          | LVRT1:Fault release>          | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11600          |                               |        |        | HR11599 (Lo-16bits)          |
| HR11601          | LVRT1:Fault release>          | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11602          |                               |        |        | HR11601 (Lo-16bits)          |
| HR11603          | LVRT1:Fault release>          | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11604          |                               |        |        | HR11603 (Lo-16bits)          |
| HR11605          | LVRT1:Fault release>          | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11606          |                               |        |        | HR11605 (Lo-16bits)          |
| HR11607          | LVRT1:Fault release>          | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11608          |                               |        |        | HR11607 (Lo-16bits)          |
| HR11609          | LVRT1:Fault release>          | R(W)   | 2      | FLOAT [50...120] (Hi-16bits) |
| HR11610          |                               |        |        | HR11609 (Lo-16bits)          |
| HR11611          | LVRT1:Low voltage block limit | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR11612          |                               |        |        | HR11611 (Lo-16bits)          |
| HR11613          | LVRT1:Low voltage block limit | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR11614          |                               |        |        | HR11613 (Lo-16bits)          |
| HR11615          | LVRT1:Low voltage block limit | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)   |
| HR11616          |                               |        |        | HR11615 (Lo-16bits)          |

| Holding Register | Parameter                     | Access | Length | Info                                 |
|------------------|-------------------------------|--------|--------|--------------------------------------|
| HR11617          | LVRT1:Low voltage block limit | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)           |
| HR11618          |                               |        |        | HR11617 (Lo-16bits)                  |
| HR11619          | LVRT1:Low voltage block limit | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)           |
| HR11620          |                               |        |        | HR11619 (Lo-16bits)                  |
| HR11621          | LVRT1:Low voltage block limit | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)           |
| HR11622          |                               |        |        | HR11621 (Lo-16bits)                  |
| HR11623          | LVRT1:Low voltage block limit | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)           |
| HR11624          |                               |        |        | HR11623 (Lo-16bits)                  |
| HR11625          | LVRT1:Low voltage block limit | R(W)   | 2      | FLOAT [0...80] (Hi-16bits)           |
| HR11626          |                               |        |        | HR11625 (Lo-16bits)                  |
| HR11627          | LVRT1:Number of knee points   | R(W)   | 1      | 0=2 1=3 2=4 3=5 4=6 5=7 6=8 7=9 8=10 |
| HR11628          | LVRT1:Number of knee points   | R(W)   | 1      | 0=2 1=3 2=4 3=5 4=6 5=7 6=8 7=9 8=10 |
| HR11629          | LVRT1:Number of knee points   | R(W)   | 1      | 0=2 1=3 2=4 3=5 4=6 5=7 6=8 7=9 8=10 |
| HR11630          | LVRT1:Number of knee points   | R(W)   | 1      | 0=2 1=3 2=4 3=5 4=6 5=7 6=8 7=9 8=10 |
| HR11631          | LVRT1:Number of knee points   | R(W)   | 1      | 0=2 1=3 2=4 3=5 4=6 5=7 6=8 7=9 8=10 |
| HR11632          | LVRT1:Number of knee points   | R(W)   | 1      | 0=2 1=3 2=4 3=5 4=6 5=7 6=8 7=9 8=10 |
| HR11633          | LVRT1:Number of knee points   | R(W)   | 1      | 0=2 1=3 2=4 3=5 4=6 5=7 6=8 7=9 8=10 |
| HR11634          | LVRT1:Number of knee points   | R(W)   | 1      | 0=2 1=3 2=4 3=5 4=6 5=7 6=8 7=9 8=10 |
| HR11635          | LVRT1:Amplitude plot[1]       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)          |
| HR11636          |                               |        |        | HR11635 (Lo-16bits)                  |
| HR11637          | LVRT1:Amplitude plot[1]       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)          |
| HR11638          |                               |        |        | HR11637 (Lo-16bits)                  |
| HR11639          | LVRT1:Amplitude plot[1]       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)          |
| HR11640          |                               |        |        | HR11639 (Lo-16bits)                  |
| HR11641          | LVRT1:Amplitude plot[1]       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)          |
| HR11642          |                               |        |        | HR11641 (Lo-16bits)                  |
| HR11643          | LVRT1:Amplitude plot[1]       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)          |
| HR11644          |                               |        |        | HR11643 (Lo-16bits)                  |
| HR11645          | LVRT1:Amplitude plot[1]       | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)          |
| HR11646          |                               |        |        | HR11645 (Lo-16bits)                  |

| Holding Register | Parameter               | Access | Length | Info                         |
|------------------|-------------------------|--------|--------|------------------------------|
| HR11647          | LVRT1:Amplitude plot[1] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)  |
| HR11648          |                         |        |        | HR11647 (Lo-16bits)          |
| HR11649          | LVRT1:Amplitude plot[1] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)  |
| HR11650          |                         |        |        | HR11649 (Lo-16bits)          |
| HR11651          | LVRT1:Time plot[1]      | R      | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR11652          |                         |        |        | HR11651 (Lo-16bits)          |
| HR11653          | LVRT1:Time plot[1]      | R      | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR11654          |                         |        |        | HR11653 (Lo-16bits)          |
| HR11655          | LVRT1:Time plot[1]      | R      | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR11656          |                         |        |        | HR11655 (Lo-16bits)          |
| HR11657          | LVRT1:Time plot[1]      | R      | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR11658          |                         |        |        | HR11657 (Lo-16bits)          |
| HR11659          | LVRT1:Time plot[1]      | R      | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR11660          |                         |        |        | HR11659 (Lo-16bits)          |
| HR11661          | LVRT1:Time plot[1]      | R      | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR11662          |                         |        |        | HR11661 (Lo-16bits)          |
| HR11663          | LVRT1:Time plot[1]      | R      | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR11664          |                         |        |        | HR11663 (Lo-16bits)          |
| HR11665          | LVRT1:Time plot[1]      | R      | 2      | FLOAT [0...1800] (Hi-16bits) |
| HR11666          |                         |        |        | HR11665 (Lo-16bits)          |
| HR11667          | LVRT1:Amplitude plot[2] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)  |
| HR11668          |                         |        |        | HR11667 (Lo-16bits)          |
| HR11669          | LVRT1:Amplitude plot[2] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)  |
| HR11670          |                         |        |        | HR11669 (Lo-16bits)          |
| HR11671          | LVRT1:Amplitude plot[2] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)  |
| HR11672          |                         |        |        | HR11671 (Lo-16bits)          |
| HR11673          | LVRT1:Amplitude plot[2] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)  |
| HR11674          |                         |        |        | HR11673 (Lo-16bits)          |
| HR11675          | LVRT1:Amplitude plot[2] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)  |
| HR11676          |                         |        |        | HR11675 (Lo-16bits)          |

| Holding Register | Parameter               | Access | Length | Info                             |
|------------------|-------------------------|--------|--------|----------------------------------|
| HR11677          | LVRT1:Amplitude plot[2] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11678          |                         |        |        | HR11677 (Lo-16bits)              |
| HR11679          | LVRT1:Amplitude plot[2] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11680          |                         |        |        | HR11679 (Lo-16bits)              |
| HR11681          | LVRT1:Amplitude plot[2] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11682          |                         |        |        | HR11681 (Lo-16bits)              |
| HR11683          | LVRT1:Time plot[2]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11684          |                         |        |        | HR11683 (Lo-16bits)              |
| HR11685          | LVRT1:Time plot[2]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11686          |                         |        |        | HR11685 (Lo-16bits)              |
| HR11687          | LVRT1:Time plot[2]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11688          |                         |        |        | HR11687 (Lo-16bits)              |
| HR11689          | LVRT1:Time plot[2]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11690          |                         |        |        | HR11689 (Lo-16bits)              |
| HR11691          | LVRT1:Time plot[2]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11692          |                         |        |        | HR11691 (Lo-16bits)              |
| HR11693          | LVRT1:Time plot[2]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11694          |                         |        |        | HR11693 (Lo-16bits)              |
| HR11695          | LVRT1:Time plot[2]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11696          |                         |        |        | HR11695 (Lo-16bits)              |
| HR11697          | LVRT1:Time plot[2]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11698          |                         |        |        | HR11697 (Lo-16bits)              |
| HR11699          | LVRT1:Amplitude plot[3] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11700          |                         |        |        | HR11699 (Lo-16bits)              |
| HR11701          | LVRT1:Amplitude plot[3] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11702          |                         |        |        | HR11701 (Lo-16bits)              |
| HR11703          | LVRT1:Amplitude plot[3] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11704          |                         |        |        | HR11703 (Lo-16bits)              |
| HR11705          | LVRT1:Amplitude plot[3] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11706          |                         |        |        | HR11705 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                             |
|------------------|-------------------------|--------|--------|----------------------------------|
| HR11707          | LVRT1:Amplitude plot[3] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11708          |                         |        |        | HR11707 (Lo-16bits)              |
| HR11709          | LVRT1:Amplitude plot[3] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11710          |                         |        |        | HR11709 (Lo-16bits)              |
| HR11711          | LVRT1:Amplitude plot[3] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11712          |                         |        |        | HR11711 (Lo-16bits)              |
| HR11713          | LVRT1:Amplitude plot[3] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11714          |                         |        |        | HR11713 (Lo-16bits)              |
| HR11715          | LVRT1:Time plot[3]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11716          |                         |        |        | HR11715 (Lo-16bits)              |
| HR11717          | LVRT1:Time plot[3]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11718          |                         |        |        | HR11717 (Lo-16bits)              |
| HR11719          | LVRT1:Time plot[3]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11720          |                         |        |        | HR11719 (Lo-16bits)              |
| HR11721          | LVRT1:Time plot[3]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11722          |                         |        |        | HR11721 (Lo-16bits)              |
| HR11723          | LVRT1:Time plot[3]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11724          |                         |        |        | HR11723 (Lo-16bits)              |
| HR11725          | LVRT1:Time plot[3]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11726          |                         |        |        | HR11725 (Lo-16bits)              |
| HR11727          | LVRT1:Time plot[3]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11728          |                         |        |        | HR11727 (Lo-16bits)              |
| HR11729          | LVRT1:Time plot[3]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11730          |                         |        |        | HR11729 (Lo-16bits)              |
| HR11731          | LVRT1:Amplitude plot[4] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11732          |                         |        |        | HR11731 (Lo-16bits)              |
| HR11733          | LVRT1:Amplitude plot[4] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11734          |                         |        |        | HR11733 (Lo-16bits)              |
| HR11735          | LVRT1:Amplitude plot[4] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11736          |                         |        |        | HR11735 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                             |
|------------------|-------------------------|--------|--------|----------------------------------|
| HR11737          | LVRT1:Amplitude plot[4] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11738          |                         |        |        | HR11737 (Lo-16bits)              |
| HR11739          | LVRT1:Amplitude plot[4] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11740          |                         |        |        | HR11739 (Lo-16bits)              |
| HR11741          | LVRT1:Amplitude plot[4] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11742          |                         |        |        | HR11741 (Lo-16bits)              |
| HR11743          | LVRT1:Amplitude plot[4] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11744          |                         |        |        | HR11743 (Lo-16bits)              |
| HR11745          | LVRT1:Amplitude plot[4] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11746          |                         |        |        | HR11745 (Lo-16bits)              |
| HR11747          | LVRT1:Time plot[4]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11748          |                         |        |        | HR11747 (Lo-16bits)              |
| HR11749          | LVRT1:Time plot[4]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11750          |                         |        |        | HR11749 (Lo-16bits)              |
| HR11751          | LVRT1:Time plot[4]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11752          |                         |        |        | HR11751 (Lo-16bits)              |
| HR11753          | LVRT1:Time plot[4]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11754          |                         |        |        | HR11753 (Lo-16bits)              |
| HR11755          | LVRT1:Time plot[4]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11756          |                         |        |        | HR11755 (Lo-16bits)              |
| HR11757          | LVRT1:Time plot[4]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11758          |                         |        |        | HR11757 (Lo-16bits)              |
| HR11759          | LVRT1:Time plot[4]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11760          |                         |        |        | HR11759 (Lo-16bits)              |
| HR11761          | LVRT1:Time plot[4]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11762          |                         |        |        | HR11761 (Lo-16bits)              |
| HR11763          | LVRT1:Amplitude plot[5] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11764          |                         |        |        | HR11763 (Lo-16bits)              |
| HR11765          | LVRT1:Amplitude plot[5] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11766          |                         |        |        | HR11765 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                             |
|------------------|-------------------------|--------|--------|----------------------------------|
| HR11767          | LVRT1:Amplitude plot[5] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11768          |                         |        |        | HR11767 (Lo-16bits)              |
| HR11769          | LVRT1:Amplitude plot[5] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11770          |                         |        |        | HR11769 (Lo-16bits)              |
| HR11771          | LVRT1:Amplitude plot[5] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11772          |                         |        |        | HR11771 (Lo-16bits)              |
| HR11773          | LVRT1:Amplitude plot[5] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11774          |                         |        |        | HR11773 (Lo-16bits)              |
| HR11775          | LVRT1:Amplitude plot[5] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11776          |                         |        |        | HR11775 (Lo-16bits)              |
| HR11777          | LVRT1:Amplitude plot[5] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11778          |                         |        |        | HR11777 (Lo-16bits)              |
| HR11779          | LVRT1:Time plot[5]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11780          |                         |        |        | HR11779 (Lo-16bits)              |
| HR11781          | LVRT1:Time plot[5]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11782          |                         |        |        | HR11781 (Lo-16bits)              |
| HR11783          | LVRT1:Time plot[5]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11784          |                         |        |        | HR11783 (Lo-16bits)              |
| HR11785          | LVRT1:Time plot[5]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11786          |                         |        |        | HR11785 (Lo-16bits)              |
| HR11787          | LVRT1:Time plot[5]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11788          |                         |        |        | HR11787 (Lo-16bits)              |
| HR11789          | LVRT1:Time plot[5]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11790          |                         |        |        | HR11789 (Lo-16bits)              |
| HR11791          | LVRT1:Time plot[5]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11792          |                         |        |        | HR11791 (Lo-16bits)              |
| HR11793          | LVRT1:Time plot[5]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11794          |                         |        |        | HR11793 (Lo-16bits)              |
| HR11795          | LVRT1:Amplitude plot[6] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11796          |                         |        |        | HR11795 (Lo-16bits)              |



| Holding Register | Parameter               | Access | Length | Info                             |
|------------------|-------------------------|--------|--------|----------------------------------|
| HR11797          | LVRT1:Amplitude plot[6] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11798          |                         |        |        | HR11797 (Lo-16bits)              |
| HR11799          | LVRT1:Amplitude plot[6] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11800          |                         |        |        | HR11799 (Lo-16bits)              |
| HR11801          | LVRT1:Amplitude plot[6] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11802          |                         |        |        | HR11801 (Lo-16bits)              |
| HR11803          | LVRT1:Amplitude plot[6] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11804          |                         |        |        | HR11803 (Lo-16bits)              |
| HR11805          | LVRT1:Amplitude plot[6] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11806          |                         |        |        | HR11805 (Lo-16bits)              |
| HR11807          | LVRT1:Amplitude plot[6] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11808          |                         |        |        | HR11807 (Lo-16bits)              |
| HR11809          | LVRT1:Amplitude plot[6] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11810          |                         |        |        | HR11809 (Lo-16bits)              |
| HR11811          | LVRT1:Time plot[6]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11812          |                         |        |        | HR11811 (Lo-16bits)              |
| HR11813          | LVRT1:Time plot[6]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11814          |                         |        |        | HR11813 (Lo-16bits)              |
| HR11815          | LVRT1:Time plot[6]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11816          |                         |        |        | HR11815 (Lo-16bits)              |
| HR11817          | LVRT1:Time plot[6]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11818          |                         |        |        | HR11817 (Lo-16bits)              |
| HR11819          | LVRT1:Time plot[6]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11820          |                         |        |        | HR11819 (Lo-16bits)              |
| HR11821          | LVRT1:Time plot[6]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11822          |                         |        |        | HR11821 (Lo-16bits)              |
| HR11823          | LVRT1:Time plot[6]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11824          |                         |        |        | HR11823 (Lo-16bits)              |
| HR11825          | LVRT1:Time plot[6]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11826          |                         |        |        | HR11825 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                             |
|------------------|-------------------------|--------|--------|----------------------------------|
| HR11827          | LVRT1:Amplitude plot[7] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11828          |                         |        |        | HR11827 (Lo-16bits)              |
| HR11829          | LVRT1:Amplitude plot[7] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11830          |                         |        |        | HR11829 (Lo-16bits)              |
| HR11831          | LVRT1:Amplitude plot[7] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11832          |                         |        |        | HR11831 (Lo-16bits)              |
| HR11833          | LVRT1:Amplitude plot[7] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11834          |                         |        |        | HR11833 (Lo-16bits)              |
| HR11835          | LVRT1:Amplitude plot[7] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11836          |                         |        |        | HR11835 (Lo-16bits)              |
| HR11837          | LVRT1:Amplitude plot[7] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11838          |                         |        |        | HR11837 (Lo-16bits)              |
| HR11839          | LVRT1:Amplitude plot[7] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11840          |                         |        |        | HR11839 (Lo-16bits)              |
| HR11841          | LVRT1:Amplitude plot[7] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11842          |                         |        |        | HR11841 (Lo-16bits)              |
| HR11843          | LVRT1:Time plot[7]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11844          |                         |        |        | HR11843 (Lo-16bits)              |
| HR11845          | LVRT1:Time plot[7]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11846          |                         |        |        | HR11845 (Lo-16bits)              |
| HR11847          | LVRT1:Time plot[7]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11848          |                         |        |        | HR11847 (Lo-16bits)              |
| HR11849          | LVRT1:Time plot[7]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11850          |                         |        |        | HR11849 (Lo-16bits)              |
| HR11851          | LVRT1:Time plot[7]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11852          |                         |        |        | HR11851 (Lo-16bits)              |
| HR11853          | LVRT1:Time plot[7]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11854          |                         |        |        | HR11853 (Lo-16bits)              |
| HR11855          | LVRT1:Time plot[7]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11856          |                         |        |        | HR11855 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                             |
|------------------|-------------------------|--------|--------|----------------------------------|
| HR11857          | LVRT1:Time plot[7]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11858          |                         |        |        | HR11857 (Lo-16bits)              |
| HR11859          | LVRT1:Amplitude plot[8] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11860          |                         |        |        | HR11859 (Lo-16bits)              |
| HR11861          | LVRT1:Amplitude plot[8] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11862          |                         |        |        | HR11861 (Lo-16bits)              |
| HR11863          | LVRT1:Amplitude plot[8] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11864          |                         |        |        | HR11863 (Lo-16bits)              |
| HR11865          | LVRT1:Amplitude plot[8] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11866          |                         |        |        | HR11865 (Lo-16bits)              |
| HR11867          | LVRT1:Amplitude plot[8] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11868          |                         |        |        | HR11867 (Lo-16bits)              |
| HR11869          | LVRT1:Amplitude plot[8] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11870          |                         |        |        | HR11869 (Lo-16bits)              |
| HR11871          | LVRT1:Amplitude plot[8] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11872          |                         |        |        | HR11871 (Lo-16bits)              |
| HR11873          | LVRT1:Amplitude plot[8] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11874          |                         |        |        | HR11873 (Lo-16bits)              |
| HR11875          | LVRT1:Time plot[8]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11876          |                         |        |        | HR11875 (Lo-16bits)              |
| HR11877          | LVRT1:Time plot[8]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11878          |                         |        |        | HR11877 (Lo-16bits)              |
| HR11879          | LVRT1:Time plot[8]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11880          |                         |        |        | HR11879 (Lo-16bits)              |
| HR11881          | LVRT1:Time plot[8]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11882          |                         |        |        | HR11881 (Lo-16bits)              |
| HR11883          | LVRT1:Time plot[8]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11884          |                         |        |        | HR11883 (Lo-16bits)              |
| HR11885          | LVRT1:Time plot[8]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11886          |                         |        |        | HR11885 (Lo-16bits)              |

| Holding Register | Parameter               | Access | Length | Info                             |
|------------------|-------------------------|--------|--------|----------------------------------|
| HR11887          | LVRT1:Time plot[8]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11888          |                         |        |        | HR11887 (Lo-16bits)              |
| HR11889          | LVRT1:Time plot[8]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11890          |                         |        |        | HR11889 (Lo-16bits)              |
| HR11891          | LVRT1:Amplitude plot[9] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11892          |                         |        |        | HR11891 (Lo-16bits)              |
| HR11893          | LVRT1:Amplitude plot[9] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11894          |                         |        |        | HR11893 (Lo-16bits)              |
| HR11895          | LVRT1:Amplitude plot[9] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11896          |                         |        |        | HR11895 (Lo-16bits)              |
| HR11897          | LVRT1:Amplitude plot[9] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11898          |                         |        |        | HR11897 (Lo-16bits)              |
| HR11899          | LVRT1:Amplitude plot[9] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11900          |                         |        |        | HR11899 (Lo-16bits)              |
| HR11901          | LVRT1:Amplitude plot[9] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11902          |                         |        |        | HR11901 (Lo-16bits)              |
| HR11903          | LVRT1:Amplitude plot[9] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11904          |                         |        |        | HR11903 (Lo-16bits)              |
| HR11905          | LVRT1:Amplitude plot[9] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11906          |                         |        |        | HR11905 (Lo-16bits)              |
| HR11907          | LVRT1:Time plot[9]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11908          |                         |        |        | HR11907 (Lo-16bits)              |
| HR11909          | LVRT1:Time plot[9]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11910          |                         |        |        | HR11909 (Lo-16bits)              |
| HR11911          | LVRT1:Time plot[9]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11912          |                         |        |        | HR11911 (Lo-16bits)              |
| HR11913          | LVRT1:Time plot[9]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11914          |                         |        |        | HR11913 (Lo-16bits)              |
| HR11915          | LVRT1:Time plot[9]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11916          |                         |        |        | HR11915 (Lo-16bits)              |

| Holding Register | Parameter                | Access | Length | Info                             |
|------------------|--------------------------|--------|--------|----------------------------------|
| HR11917          | LVRT1:Time plot[9]       | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11918          |                          |        |        | HR11917 (Lo-16bits)              |
| HR11919          | LVRT1:Time plot[9]       | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11920          |                          |        |        | HR11919 (Lo-16bits)              |
| HR11921          | LVRT1:Time plot[9]       | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11922          |                          |        |        | HR11921 (Lo-16bits)              |
| HR11923          | LVRT1:Amplitude plot[10] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11924          |                          |        |        | HR11923 (Lo-16bits)              |
| HR11925          | LVRT1:Amplitude plot[10] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11926          |                          |        |        | HR11925 (Lo-16bits)              |
| HR11927          | LVRT1:Amplitude plot[10] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11928          |                          |        |        | HR11927 (Lo-16bits)              |
| HR11929          | LVRT1:Amplitude plot[10] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11930          |                          |        |        | HR11929 (Lo-16bits)              |
| HR11931          | LVRT1:Amplitude plot[10] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11932          |                          |        |        | HR11931 (Lo-16bits)              |
| HR11933          | LVRT1:Amplitude plot[10] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11934          |                          |        |        | HR11933 (Lo-16bits)              |
| HR11935          | LVRT1:Amplitude plot[10] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11936          |                          |        |        | HR11935 (Lo-16bits)              |
| HR11937          | LVRT1:Amplitude plot[10] | R(W)   | 2      | FLOAT [0...120] (Hi-16bits)      |
| HR11938          |                          |        |        | HR11937 (Lo-16bits)              |
| HR11939          | LVRT1:Time plot[10]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11940          |                          |        |        | HR11939 (Lo-16bits)              |
| HR11941          | LVRT1:Time plot[10]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11942          |                          |        |        | HR11941 (Lo-16bits)              |
| HR11943          | LVRT1:Time plot[10]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11944          |                          |        |        | HR11943 (Lo-16bits)              |
| HR11945          | LVRT1:Time plot[10]      | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits) |
| HR11946          |                          |        |        | HR11945 (Lo-16bits)              |

| Holding Register | Parameter                             | Access | Length | Info                                    |
|------------------|---------------------------------------|--------|--------|-----------------------------------------|
| HR11947          | LVRT1:Time plot[10]                   | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits)        |
| HR11948          |                                       |        |        | HR11947 (Lo-16bits)                     |
| HR11949          | LVRT1:Time plot[10]                   | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits)        |
| HR11950          |                                       |        |        | HR11949 (Lo-16bits)                     |
| HR11951          | LVRT1:Time plot[10]                   | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits)        |
| HR11952          |                                       |        |        | HR11951 (Lo-16bits)                     |
| HR11953          | LVRT1:Time plot[10]                   | R(W)   | 2      | FLOAT [0.100...1800] (Hi-16bits)        |
| HR11954          |                                       |        |        | HR11953 (Lo-16bits)                     |
| HR11955          | PVPS:PVPS Line comm ok                | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR11956          |                                       |        |        | HR11955 (Lo-16bits)                     |
| HR11957          | PVPS:PVPS Line comm failure           | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR11958          |                                       |        |        | HR11957 (Lo-16bits)                     |
| HR11959          | PVPS:PVPS Any line protection failure | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR11960          |                                       |        |        | HR11959 (Lo-16bits)                     |
| HR11961          | PVPS:PVPS Units synchronization Ok    | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR11962          |                                       |        |        | HR11961 (Lo-16bits)                     |
| HR11963          | PVPS:PVPS Synchronization lost        | R      | 2      | SIGNAL_OUT [0...4294967295] (Hi-16bits) |
| HR11964          |                                       |        |        | HR11963 (Lo-16bits)                     |
| HR11965          | LDIF1:Enable configuration            | R(W)   | 1      | 0=Disabled 1=Enabled (Halt protection)  |
| HR11966          | LDIF1:Differential calculation mode   | R(W)   | 1      | 0=Subtract 1=Add                        |
| HR11967          | LDIF1:Differential calculation mode   | R(W)   | 1      | 0=Subtract 1=Add                        |
| HR11968          | LDIF1:Differential calculation mode   | R(W)   | 1      | 0=Subtract 1=Add                        |
| HR11969          | LDIF1:Differential calculation mode   | R(W)   | 1      | 0=Subtract 1=Add                        |
| HR11970          | LDIF1:Differential calculation mode   | R(W)   | 1      | 0=Subtract 1=Add                        |
| HR11971          | LDIF1:Differential calculation mode   | R(W)   | 1      | 0=Subtract 1=Add                        |
| HR11972          | LDIF1:Differential calculation mode   | R(W)   | 1      | 0=Subtract 1=Add                        |
| HR11973          | LDIF1:Differential calculation mode   | R(W)   | 1      | 0=Subtract 1=Add                        |
| HR11974          | LDIF1:Bias calculation mode           | R(W)   | 1      | 0=Average 1=Maximum                     |

| Holding Register | Parameter                   | Access | Length | Info                           |
|------------------|-----------------------------|--------|--------|--------------------------------|
| HR11975          | LDIF1:Bias calculation mode | R(W)   | 1      | 0=Average 1=Maximum            |
| HR11976          | LDIF1:Bias calculation mode | R(W)   | 1      | 0=Average 1=Maximum            |
| HR11977          | LDIF1:Bias calculation mode | R(W)   | 1      | 0=Average 1=Maximum            |
| HR11978          | LDIF1:Bias calculation mode | R(W)   | 1      | 0=Average 1=Maximum            |
| HR11979          | LDIF1:Bias calculation mode | R(W)   | 1      | 0=Average 1=Maximum            |
| HR11980          | LDIF1:Bias calculation mode | R(W)   | 1      | 0=Average 1=Maximum            |
| HR11981          | LDIF1:Bias calculation mode | R(W)   | 1      | 0=Average 1=Maximum            |
| HR11982          | LDIF1:ldb> Pickup           | R(W)   | 2      | FLOAT [0.01...100] (Hi-16bits) |
| HR11983          |                             |        |        | HR11982 (Lo-16bits)            |
| HR11984          | LDIF1:ldb> Pickup           | R(W)   | 2      | FLOAT [0.01...100] (Hi-16bits) |
| HR11985          |                             |        |        | HR11984 (Lo-16bits)            |
| HR11986          | LDIF1:ldb> Pickup           | R(W)   | 2      | FLOAT [0.01...100] (Hi-16bits) |
| HR11987          |                             |        |        | HR11986 (Lo-16bits)            |
| HR11988          | LDIF1:ldb> Pickup           | R(W)   | 2      | FLOAT [0.01...100] (Hi-16bits) |
| HR11989          |                             |        |        | HR11988 (Lo-16bits)            |
| HR11990          | LDIF1:ldb> Pickup           | R(W)   | 2      | FLOAT [0.01...100] (Hi-16bits) |
| HR11991          |                             |        |        | HR11990 (Lo-16bits)            |
| HR11992          | LDIF1:ldb> Pickup           | R(W)   | 2      | FLOAT [0.01...100] (Hi-16bits) |
| HR11993          |                             |        |        | HR11992 (Lo-16bits)            |
| HR11994          | LDIF1:ldb> Pickup           | R(W)   | 2      | FLOAT [0.01...100] (Hi-16bits) |
| HR11995          |                             |        |        | HR11994 (Lo-16bits)            |
| HR11996          | LDIF1:ldb> Pickup           | R(W)   | 2      | FLOAT [0.01...100] (Hi-16bits) |
| HR11997          |                             |        |        | HR11996 (Lo-16bits)            |
| HR11998          | LDIF1:ldb> Turnpoint 1      | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR11999          |                             |        |        | HR11998 (Lo-16bits)            |
| HR12000          | LDIF1:ldb> Turnpoint 1      | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12001          |                             |        |        | HR12000 (Lo-16bits)            |
| HR12002          | LDIF1:ldb> Turnpoint 1      | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12003          |                             |        |        | HR12002 (Lo-16bits)            |
| HR12004          | LDIF1:ldb> Turnpoint 1      | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |

| Holding Register | Parameter              | Access | Length | Info                           |
|------------------|------------------------|--------|--------|--------------------------------|
| HR12005          |                        |        |        | HR12004 (Lo-16bits)            |
| HR12006          | LDIF1:ldb> Turnpoint 1 | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12007          |                        |        |        | HR12006 (Lo-16bits)            |
| HR12008          | LDIF1:ldb> Turnpoint 1 | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12009          |                        |        |        | HR12008 (Lo-16bits)            |
| HR12010          | LDIF1:ldb> Turnpoint 1 | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12011          |                        |        |        | HR12010 (Lo-16bits)            |
| HR12012          | LDIF1:ldb> Turnpoint 1 | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12013          |                        |        |        | HR12012 (Lo-16bits)            |
| HR12014          | LDIF1:ldb> Slope 1     | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR12015          |                        |        |        | HR12014 (Lo-16bits)            |
| HR12016          | LDIF1:ldb> Slope 1     | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR12017          |                        |        |        | HR12016 (Lo-16bits)            |
| HR12018          | LDIF1:ldb> Slope 1     | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR12019          |                        |        |        | HR12018 (Lo-16bits)            |
| HR12020          | LDIF1:ldb> Slope 1     | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR12021          |                        |        |        | HR12020 (Lo-16bits)            |
| HR12022          | LDIF1:ldb> Slope 1     | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR12023          |                        |        |        | HR12022 (Lo-16bits)            |
| HR12024          | LDIF1:ldb> Slope 1     | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR12025          |                        |        |        | HR12024 (Lo-16bits)            |
| HR12026          | LDIF1:ldb> Slope 1     | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR12027          |                        |        |        | HR12026 (Lo-16bits)            |
| HR12028          | LDIF1:ldb> Slope 1     | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits) |
| HR12029          |                        |        |        | HR12028 (Lo-16bits)            |
| HR12030          | LDIF1:ldb> Turnpoint 2 | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12031          |                        |        |        | HR12030 (Lo-16bits)            |
| HR12032          | LDIF1:ldb> Turnpoint 2 | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12033          |                        |        |        | HR12032 (Lo-16bits)            |
| HR12034          | LDIF1:ldb> Turnpoint 2 | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |



| Holding Register | Parameter                      | Access | Length | Info                                                                                 |
|------------------|--------------------------------|--------|--------|--------------------------------------------------------------------------------------|
| HR12035          |                                |        |        | HR12034 (Lo-16bits)                                                                  |
| HR12036          | LDIF1:ldb> Turnpoint 2         | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12037          |                                |        |        | HR12036 (Lo-16bits)                                                                  |
| HR12038          | LDIF1:ldb> Turnpoint 2         | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12039          |                                |        |        | HR12038 (Lo-16bits)                                                                  |
| HR12040          | LDIF1:ldb> Turnpoint 2         | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12041          |                                |        |        | HR12040 (Lo-16bits)                                                                  |
| HR12042          | LDIF1:ldb> Turnpoint 2         | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12043          |                                |        |        | HR12042 (Lo-16bits)                                                                  |
| HR12044          | LDIF1:ldb> Turnpoint 2         | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12045          |                                |        |        | HR12044 (Lo-16bits)                                                                  |
| HR12046          | LDIF1:ldb> Slope 2             | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)                                                       |
| HR12047          |                                |        |        | HR12046 (Lo-16bits)                                                                  |
| HR12048          | LDIF1:ldb> Slope 2             | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)                                                       |
| HR12049          |                                |        |        | HR12048 (Lo-16bits)                                                                  |
| HR12050          | LDIF1:ldb> Slope 2             | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)                                                       |
| HR12051          |                                |        |        | HR12050 (Lo-16bits)                                                                  |
| HR12052          | LDIF1:ldb> Slope 2             | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)                                                       |
| HR12053          |                                |        |        | HR12052 (Lo-16bits)                                                                  |
| HR12054          | LDIF1:ldb> Slope 2             | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)                                                       |
| HR12055          |                                |        |        | HR12054 (Lo-16bits)                                                                  |
| HR12056          | LDIF1:ldb> Slope 2             | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)                                                       |
| HR12057          |                                |        |        | HR12056 (Lo-16bits)                                                                  |
| HR12058          | LDIF1:ldb> Slope 2             | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)                                                       |
| HR12059          |                                |        |        | HR12058 (Lo-16bits)                                                                  |
| HR12060          | LDIF1:ldb> Slope 2             | R(W)   | 2      | FLOAT [0.01...250] (Hi-16bits)                                                       |
| HR12061          |                                |        |        | HR12060 (Lo-16bits)                                                                  |
| HR12062          | LDIF1:Enable harmonic blocking | R(W)   | 1      | 0=No harmonic blocking 1=2nd. harm.block. 2=5th.harm.block. 3=2nd.and 5th.harm.block |

| Holding Register | Parameter                      | Access | Length | Info                                                                                 |
|------------------|--------------------------------|--------|--------|--------------------------------------------------------------------------------------|
| HR12063          | LDIF1:Enable harmonic blocking | R(W)   | 1      | 0=No harmonic blocking 1=2nd. harm.block. 2=5th.harm.block. 3=2nd.and 5th.harm.block |
| HR12064          | LDIF1:Enable harmonic blocking | R(W)   | 1      | 0=No harmonic blocking 1=2nd. harm.block. 2=5th.harm.block. 3=2nd.and 5th.harm.block |
| HR12065          | LDIF1:Enable harmonic blocking | R(W)   | 1      | 0=No harmonic blocking 1=2nd. harm.block. 2=5th.harm.block. 3=2nd.and 5th.harm.block |
| HR12066          | LDIF1:Enable harmonic blocking | R(W)   | 1      | 0=No harmonic blocking 1=2nd. harm.block. 2=5th.harm.block. 3=2nd.and 5th.harm.block |
| HR12067          | LDIF1:Enable harmonic blocking | R(W)   | 1      | 0=No harmonic blocking 1=2nd. harm.block. 2=5th.harm.block. 3=2nd.and 5th.harm.block |
| HR12068          | LDIF1:Enable harmonic blocking | R(W)   | 1      | 0=No harmonic blocking 1=2nd. harm.block. 2=5th.harm.block. 3=2nd.and 5th.harm.block |
| HR12069          | LDIF1:Enable harmonic blocking | R(W)   | 1      | 0=No harmonic blocking 1=2nd. harm.block. 2=5th.harm.block. 3=2nd.and 5th.harm.block |
| HR12070          | LDIF1:2nd harm block Pickup    | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12071          |                                |        |        | HR12070 (Lo-16bits)                                                                  |
| HR12072          | LDIF1:2nd harm block Pickup    | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12073          |                                |        |        | HR12072 (Lo-16bits)                                                                  |
| HR12074          | LDIF1:2nd harm block Pickup    | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12075          |                                |        |        | HR12074 (Lo-16bits)                                                                  |
| HR12076          | LDIF1:2nd harm block Pickup    | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12077          |                                |        |        | HR12076 (Lo-16bits)                                                                  |
| HR12078          | LDIF1:2nd harm block Pickup    | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12079          |                                |        |        | HR12078 (Lo-16bits)                                                                  |
| HR12080          | LDIF1:2nd harm block Pickup    | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12081          |                                |        |        | HR12080 (Lo-16bits)                                                                  |
| HR12082          | LDIF1:2nd harm block Pickup    | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12083          |                                |        |        | HR12082 (Lo-16bits)                                                                  |
| HR12084          | LDIF1:2nd harm block Pickup    | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)                                                        |
| HR12085          |                                |        |        | HR12084 (Lo-16bits)                                                                  |

| Holding Register | Parameter                         | Access | Length | Info                           |
|------------------|-----------------------------------|--------|--------|--------------------------------|
| HR12086          | LDIF1:5th harm block Pickup       | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12087          |                                   |        |        | HR12086 (Lo-16bits)            |
| HR12088          | LDIF1:5th harm block Pickup       | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12089          |                                   |        |        | HR12088 (Lo-16bits)            |
| HR12090          | LDIF1:5th harm block Pickup       | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12091          |                                   |        |        | HR12090 (Lo-16bits)            |
| HR12092          | LDIF1:5th harm block Pickup       | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12093          |                                   |        |        | HR12092 (Lo-16bits)            |
| HR12094          | LDIF1:5th harm block Pickup       | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12095          |                                   |        |        | HR12094 (Lo-16bits)            |
| HR12096          | LDIF1:5th harm block Pickup       | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12097          |                                   |        |        | HR12096 (Lo-16bits)            |
| HR12098          | LDIF1:5th harm block Pickup       | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12099          |                                   |        |        | HR12098 (Lo-16bits)            |
| HR12100          | LDIF1:5th harm block Pickup       | R(W)   | 2      | FLOAT [0.01...50] (Hi-16bits)  |
| HR12101          |                                   |        |        | HR12100 (Lo-16bits)            |
| HR12102          | LDIF1:Enable Idi> stage (nonbias) | R(W)   | 1      | 0=Disabled 1=Enabled           |
| HR12103          | LDIF1:Enable Idi> stage (nonbias) | R(W)   | 1      | 0=Disabled 1=Enabled           |
| HR12104          | LDIF1:Enable Idi> stage (nonbias) | R(W)   | 1      | 0=Disabled 1=Enabled           |
| HR12105          | LDIF1:Enable Idi> stage (nonbias) | R(W)   | 1      | 0=Disabled 1=Enabled           |
| HR12106          | LDIF1:Enable Idi> stage (nonbias) | R(W)   | 1      | 0=Disabled 1=Enabled           |
| HR12107          | LDIF1:Enable Idi> stage (nonbias) | R(W)   | 1      | 0=Disabled 1=Enabled           |
| HR12108          | LDIF1:Enable Idi> stage (nonbias) | R(W)   | 1      | 0=Disabled 1=Enabled           |
| HR12109          | LDIF1:Enable Idi> stage (nonbias) | R(W)   | 1      | 0=Disabled 1=Enabled           |
| HR12110          | LDIF1:Idi> No bias Pickup         | R(W)   | 2      | FLOAT [200...1500] (Hi-16bits) |
| HR12111          |                                   |        |        | HR12110 (Lo-16bits)            |
| HR12112          | LDIF1:Idi> No bias Pickup         | R(W)   | 2      | FLOAT [200...1500] (Hi-16bits) |
| HR12113          |                                   |        |        | HR12112 (Lo-16bits)            |
| HR12114          | LDIF1:Idi> No bias Pickup         | R(W)   | 2      | FLOAT [200...1500] (Hi-16bits) |
| HR12115          |                                   |        |        | HR12114 (Lo-16bits)            |

| Holding Register | Parameter                  | Access | Length | Info                                                                                                               |
|------------------|----------------------------|--------|--------|--------------------------------------------------------------------------------------------------------------------|
| HR12116          | LDIF1:Idi> No bias Pickup  | R(W)   | 2      | FLOAT [200...1500] (Hi-16bits)                                                                                     |
| HR12117          |                            |        |        | HR12116 (Lo-16bits)                                                                                                |
| HR12118          | LDIF1:Idi> No bias Pickup  | R(W)   | 2      | FLOAT [200...1500] (Hi-16bits)                                                                                     |
| HR12119          |                            |        |        | HR12118 (Lo-16bits)                                                                                                |
| HR12120          | LDIF1:Idi> No bias Pickup  | R(W)   | 2      | FLOAT [200...1500] (Hi-16bits)                                                                                     |
| HR12121          |                            |        |        | HR12120 (Lo-16bits)                                                                                                |
| HR12122          | LDIF1:Idi> No bias Pickup  | R(W)   | 2      | FLOAT [200...1500] (Hi-16bits)                                                                                     |
| HR12123          |                            |        |        | HR12122 (Lo-16bits)                                                                                                |
| HR12124          | LDIF1:Idi> No bias Pickup  | R(W)   | 2      | FLOAT [200...1500] (Hi-16bits)                                                                                     |
| HR12125          |                            |        |        | HR12124 (Lo-16bits)                                                                                                |
| HR19906          | Object6 control register   | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |
| HR19907          | Object7 control register   | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |
| HR19908          | Object8 control register   | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |
| HR19909          | Object9 control register   | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |
| HR19910          | Object10 control register  | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |
| HR19911          | Object S1 control register | R=0/W  | 1      | SELECTOPEN=0xA001<br>SELECTCLOSE=0xA002<br>CANCEL=0xA004 OPERATE=0xA008<br>DIRECTOPEN=0xA010<br>DIRECTCLOSE=0xA020 |

## 3 Contact and reference information

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